

第7版

イオン液体 総合カタログ

Ionic Liquid



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- 試薬は毒物及び劇物取締法や労働安全衛生法、消防法などに従って、安全対策と適切な管理が必要です。試薬ラベルを参考にしてください。また、製品を安全に管理するためにSDS(安全データシート)を提供しています。弊社ホームページ(<https://www.kanto.co.jp/>)の製品情報検索サイト「Cica-Web」からダウンロードしてください。



パンフレットについて

- 価格は2024年10月現在の価格です。消費税は含まれておりません。
- 価格欄が☆印の製品は、都度見積もりが必要です。お手数ですが、弊社販売店にお問い合わせください。
- 価格、規格、包装容器などは予告なく変更することがあります。最新情報は弊社ホームページ(<https://www.kanto.co.jp/>)の製品情報検索サイト「Cica-Web」もしくは電子版「総合カタログ」でご確認ください。
- ご注文の際は、製品番号、製品名、容量(包装)を明記してください。
- ご注文やお受取りの際に、登録や使用許可、安定供給に必要な情報、法的に要求される手続きが必要な製品がありますので、ご理解とご協力をお願いします。



イオン液体について

イオン(アニオン、カチオン)のみで構成され、融点が100℃以下の化合物をイオン液体(Ionic Liquid)と言います。

イオン液体は難揮発性、難燃性、高イオン伝導性、および優れた電気化学特性などの特長を併せ持つ物質です。そのため、エネルギー・バイオ・環境関連分野をはじめとする様々な分野における材料の一つとして大いに期待されています。すべてのイオン液体が前述した特長を網羅しているわけではありませんが、基礎データの取得から実用化の検討まで、産学官の研究開発が拡大し「イオン液体だからこそ実現できる」展開も提案されてきています。

※弊社では様々なアニオン、カチオンの組み合わせで約370品目のイオン液体を取り揃えています。

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凡例

					⑩	⑪	⑫	⑬	⑭
①	1-Ethyl-3-methylimidazolium tetrafluoroborate								
	②	③ 143314-16-3	④ $\text{CH}_3\text{C}_3\text{H}_3\text{N}_2\text{C}_2\text{H}_5\text{BF}_4$	⑤ 197.97	⑩ 14644-53	⑪ 素材研究用	⑫	⑬	⑭ 5 mL
	⑥ 15 °C	⑦ 34 cP (25 °C)	⑧ d 1.28 (24 °C)	⑨ 14.1 mS/cm (25 °C)	⑩ 14644-33	⑪ 素材研究用	⑫	⑬	⑭ 25 mL
					⑩ 49527-90	⑪ ILT	⑫ IL-0006-UP	⑬ 99%	⑭ 25 g

① 製品名	② 構造式	③ CAS RN®	④ 分子式	⑤ 分子量
⑥ 融点	⑦ 粘度	⑧ 密度(比重)	⑨ 導電率	⑩ 製品番号
⑪ メーカー略称	⑫ メーカー品番	⑬ 純度	⑭ 包装	

〈メーカー略称〉

- TFS ----- Thermo Fisher Scientific inc.
- ILT ----- IoLiTec GmbH
- SOLVI ----- SOLVIONIC

※メーカーによって品名が異なる場合がございます。



規格(グレード)

〈関東化学製品〉

当社のイオン液体は、製品毎に水分値・ハロゲンイオン・金属イオンの保証項目を設けることで、お客様の用途によって製品を選んでいただけるようになっています。保証内容は、当社ホームページ内の「Cica-Web」で確認することができます。

※製品の色に関して

極力無色透明になるように検討していますが、現状の製造工程上高純度品でも色調が強い製品がございます。ご理解いただきますようお願い申し上げます。

〈イオリテック社製品〉

イオリテック社製品は、精製レベルの異なるHP・OP・UPグレードをご用意しており、目的に応じたグレードを選んでいただくことが可能です。また、イオリテック社カタログには250種類のイオン液体、約30種類の間接体があり幅広いラインナップからお選びいただけます。



物性値

物性値は合成法やその過程で含まれる不純物に依存して値が異なるため、文献ごとに異なる値が報告されています。本カタログでは、実測値を明記している化合物もございますが、基本的には文献値を参考にしています。参考データとしてご理解いただきますようお願い申し上げます。

● EMIm Xの物性値(25 °C)

アニオン	融点(°C)	密度(g/cm ³)	粘度(mPa·s)	導電率(mS/cm)
BF ₄ ⁻	11 ¹⁾ , 15 ²⁾	1.24 ¹⁾ , 1.28 ²⁾	43 ¹⁾ , 31.8 ²⁾	13.0 ¹⁾ , 13.6 ²⁾
PF ₆ ⁻	62 ¹⁾	1.56 ¹⁾	-	5.2 ¹⁾
CH ₃ SO ₃ ⁻	39 ³⁾	1.25 ³⁾	160 ³⁾	2.7 ³⁾
CF ₃ SO ₃ ⁻	-10 ³⁾ , -9 ⁴⁾	1.383 ³⁾	42.7 ³⁾	9.29 ³⁾
[(CF ₃ SO ₂) ₂ N] ⁻	-15 ¹⁾ , -16 ²⁾	1.52 ¹⁾ , *, 1.518 ²⁾	28 ¹⁾ , 40.7 ²⁾	8.4 ¹⁾ , 5.7 ²⁾
[(C ₂ F ₅ SO ₂) ₂ N] ⁻	-1 ¹⁾ , -19 ⁵⁾	-	61 ¹⁾	3.4 ¹⁾

※ 22 °C

1) A.A.B.McEwen, H.L.Ngo, K.LeCompte and J.L.Goldman, *J.Electrochem. Soc.*, **1999**, 146, 1687.

2) A.Noda, K.Hayamizu, and M.Watanabe, *J.Phys Chem B*, **2001**, 105, 4603.

3) E.I.Cooper and E.J.M.O'Sullivan, *Proc. of 8th Int. Symp.*, **1992**, 382.

4) P.BonHote, A.-P.Dias, M.Armand, N.Papageorgiou, K.Kalyanasundaram, and M.Gratzle, *Inorg. Chem.*, **1996**, 35, 1168.

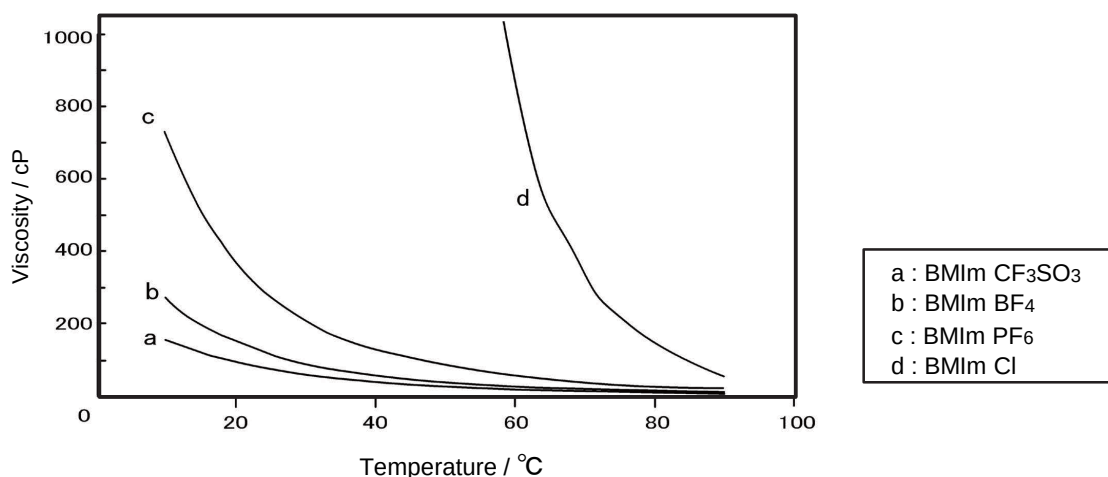
5) M.Yosizawa, W.Ogihara, and H.Ohno, *Electrochem.Solid-State Lett.*, **2001**, 4, E25.



温度変化による粘度

代表的なイオン液体 1-Butyl-3-methylimidazolium triflate 【BMIm CF₃SO₃】、1-Butyl-3-methylimidazolium tetrafluoroborate 【BMIm BF₄】、1-Butyl-3-methylimidazolium hexafluorophosphate 【BMIm PF₆】、1-Butyl-3-methylimidazolium chloride 【BMIm Cl】の温度と粘度の関係を以下の図に示します。

図より、僅かな温度変化で粘度が大きく変化する点や、構成イオンの違いが粘度に大きく影響することが分かります。



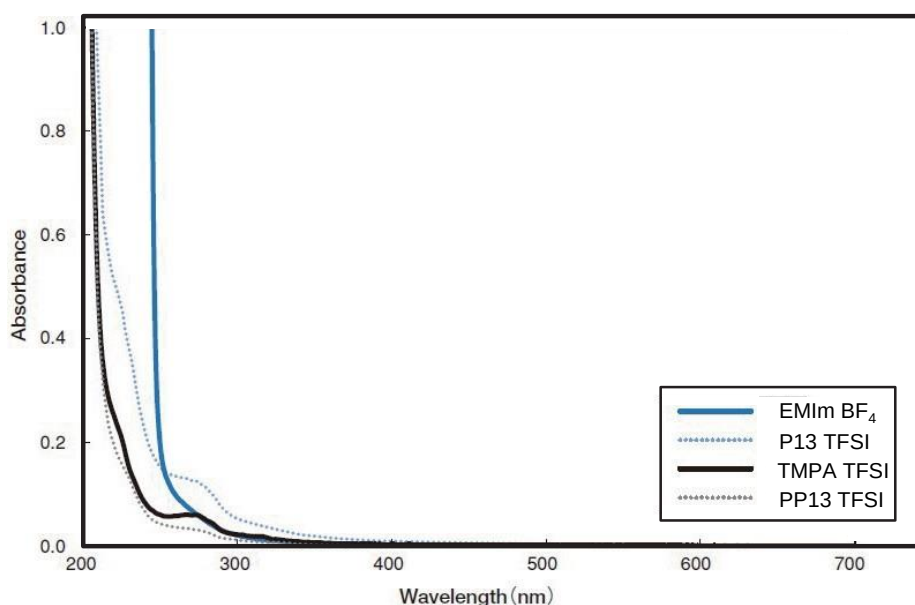
温度変化による粘度



紫外可視吸収スペクトル

代表的なイオン液体 1-Ethyl-3-methylimidazolium tetrafluoroborate 【EMIm BF₄】、*N*-Methyl-*N*-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide 【P13 TFSI】、*N,N,N*-Trimethyl-*N*-propylammonium bis(trifluoromethanesulfonyl)imide 【TMPA TFSI】、*N*-Methyl-*N*-propylpiperidinium bis(trifluoromethanesulfonyl)imide 【PP13 TFSI】の紫外可視吸収スペクトルを以下の図に示します。

EMIm BF₄ はわずかに吸収がありますが、可視領域(350~700 nm)での吸収はほとんど観察されないため、外観上は無色となります。



紫外可視吸収スペクトル

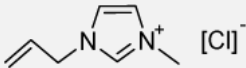
1-アリル-3-アルキルイミダゾリウム系イオン液体

東京農工大学の⁶⁾大野教授らによって開発された1-アリル-3-アルキルイミダゾリウム系イオン液体のうち、代表的な化合物を製品化しております。これらは、従来のイオン液体に比べ極性が高く、多様な化合物の溶解が期待されます。イオリテック社製品と共にご利用ください。

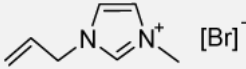
6) T.Mizuno, E.Marwanta, N.Matsumi and H.Ohno, *Chem. Lett.*, **2004**, 33, 10, 1360.

製品リスト

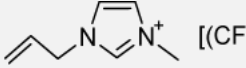
1-Allyl-3-methylimidazolium chloride 【AMIm Cl】

 47 °C	65039-10-3	49515-44	ILT	IL-0022-HP	>98%	25 g
	C ₇ H ₁₁ ClN ₂	49515-45	ILT	IL-0022-HP	>98%	100 g
	158.63					

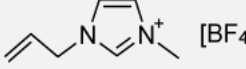
1-Allyl-3-methylimidazolium bromide 【AMIm Br】

 58 °C	31410-07-8	01986-55	素材研究用			5 g
	C ₇ H ₁₁ BrN ₂	01986-35	素材研究用			25 g
	203.08					
	1.60 mS/cm					

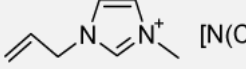
1-Allyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide 【AMIm TFSI】

 35 cP (25 °C) d 1.49 (29 °C) 8.87 mS/cm (30 °C)	655249-87-9	01988-55	素材研究用			5 mL
	C ₉ H ₁₁ F ₆ N ₃ O ₄ S ₂	01988-35	素材研究用			25 mL
	403.33	01988-15	素材研究用			250 mL
		49518-81	ILT	IL-0239-HP	99%	25 g
		49518-82	ILT	IL-0239-HP	99%	100 g

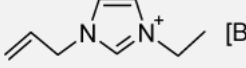
1-Allyl-3-methylimidazolium tetrafluoroborate 【AMIm BF₄】

	851606-63-8	01987-55	素材研究用			5 mL
	C ₇ H ₁₁ BF ₄ N ₂	01987-35	素材研究用			25 mL
	209.98	01987-15	素材研究用			250 mL

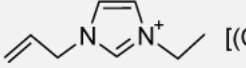
1-Allyl-3-methylimidazolium dicyanamide

 18 cP (25 °C) d 1.11 (24 °C) 17.0 mS/cm (30 °C)	917956-73-1	49518-83	ILT	IL-0240-HP	>98%	25 g
	C ₉ H ₁₁ N ₅	49518-84	ILT	IL-0240-HP	>98%	100 g
	189.22					

1-Allyl-3-ethylimidazolium bromide 【AEIm Br】

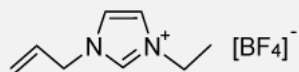
 55 °C	652134-09-3	01930-55	素材研究用			5 g
	C ₈ H ₁₃ BrN ₂	01930-35	素材研究用			25 g
	217.11					

1-Allyl-3-ethylimidazolium bis(trifluoromethanesulfonyl)imide 【AEIm TFSI】

 31 cP (25 °C) d 1.45	652134-11-7	01932-55	素材研究用			5 mL
	C ₁₀ H ₁₃ F ₆ N ₃ O ₄ S ₂	01932-35	素材研究用			25 mL
	417.35	01932-15	素材研究用			250 mL

1-アリル-3-アルキルイミダゾリウム系イオン液体

1-Allyl-3-ethylimidazolium tetrafluoroborate 【AEIm BF₄】



945732-42-3

C₈H₁₃BF₄N₂

224.01

[01931-55](#)

素材研究用

5 mL

[01931-35](#)

素材研究用

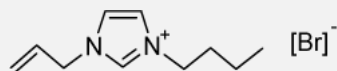
25 mL

[01931-15](#)

素材研究用

250 mL

1-Allyl-3-butylimidazolium bromide 【ABIm Br】



863498-30-0

C₁₀H₁₇BrN₂

245.16

[01933-55](#)

素材研究用

5 mL

[01933-35](#)

素材研究用

25 mL

[01933-15](#)

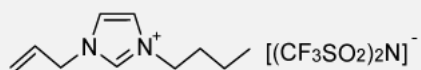
素材研究用

250 mL

d 1.24

0.50 mS/cm

1-Allyl-3-butylimidazolium bis(trifluoromethanesulfonyl)imide 【ABIm TFSI】



863498-34-4

C₁₂H₁₇F₆N₃O₄S₂

445.41

[01935-55](#)

素材研究用

5 mL

[01935-35](#)

素材研究用

25 mL

[01935-15](#)

素材研究用

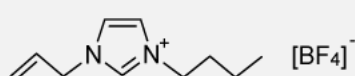
250 mL

46 cP (25 °C)

d 1.38

1.53 mS/cm

1-Allyl-3-butylimidazolium tetrafluoroborate 【ABIm BF₄】



863498-32-2

C₁₀H₁₇BF₄N₂

252.06

[01934-55](#)

素材研究用

5 mL

[01934-35](#)

素材研究用

25 mL

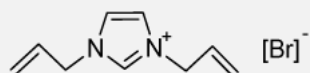
[01934-15](#)

素材研究用

250 mL

1.22 mS/cm

1,3-Diallylimidazolium bromide 【AAIm Br】



31483-71-3

C₉H₁₃BrN₂

229.12

[11475-55](#)

素材研究用

5 mL

[11475-35](#)

素材研究用

25 mL

[11475-15](#)

素材研究用

250 mL

827 cP (25 °C)

d 1.32

0.74 mS/cm

1,3-Diallylimidazolium bis(trifluoromethanesulfonyl)imide 【AAIm TFSI】



803732-17-4

C₁₁H₁₃F₆N₃O₄S₂

429.36

[11477-55](#)

素材研究用

5 mL

[11477-35](#)

素材研究用

25 mL

[11477-15](#)

素材研究用

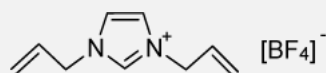
250 mL

31 cP (27 °C)

d 1.43

2.63 mS/cm

1,3-Diallylimidazolium tetrafluoroborate 【AAIm BF₄】



852699-06-0

C₉H₁₃BF₄N₂

236.02

[11476-55](#)

素材研究用

5 mL

[11476-35](#)

素材研究用

25 mL

[11476-15](#)

素材研究用

250 mL

2.44 mS/cm

1-アリル-3-アルキルイミダゾリウム系イオン液体

溶解性

●各溶媒と混合時の相溶性(体積比1:1)

溶媒	AMIm Br	AMIm TFSI	AMIm BF ₄	AEIm Br	AEIm TFSI	AEIm BF ₄
水	○	×	○	○	×	○
メタノール	○	○	○	○	○	○
エタノール	○	○	×	○	○	△※2
2-プロパノール	○	○	×	○	○	×
アセトン	×	○	○	△	○	○
酢酸エチル	×	○	△	×	○	△※3
アセトニトリル	○	○	○	○	○	○
テトラヒドロフラン	×	○	×	×	○	△※2
ジエチルエーテル	×	△	×	×	△※1	×
ヘキサン	×	×	×	×	×	×
トルエン	×	△	×	×	△※1	×
ジクロロメタン	○	○	○	○	○	○
クロロホルム	○	○	○	○	○	○

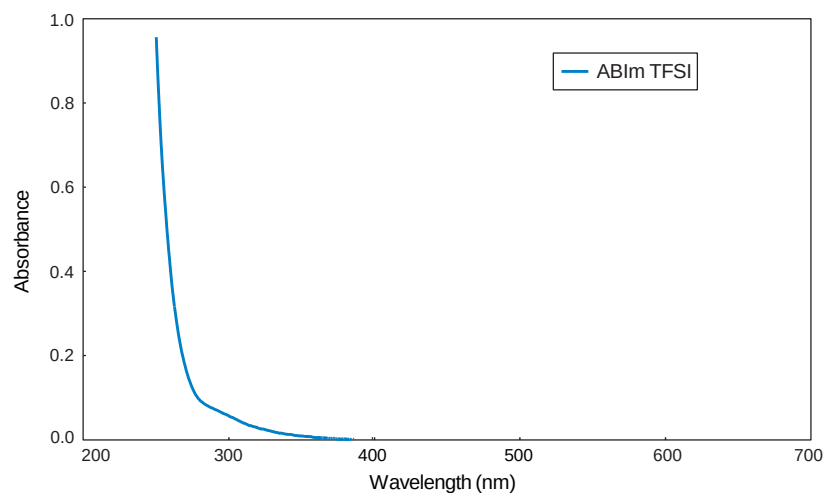
溶媒	ABIm Br	ABIm BF ₄	ABIm TFSI	AAIm Br	AAIm BF ₄	AAIm TFSI
水	○	×	×	○	△※2	×
メタノール	○	○	○	○	○	○
エタノール	○	○	○	○	△※5	○
2-プロパノール	○	○	○	○	△※3	○
アセトン	○	○	○	○	○	○
酢酸エチル	×	○	○	×	△※6	○
アセトニトリル	○	○	○	○	○	○
テトラヒドロフラン	×	○	○	×	○	○
ジエチルエーテル	×	×	○	×	×	△※6
ヘキサン	×	×	×	×	×	×
トルエン	×	△※4	×	×	×	△※6
ジクロロメタン	○	○	○	○	○	○
クロロホルム	○	○	○	○	○	○

○:溶解、△:一部溶解、×:不溶

※1:8割溶解
※2:5割溶解
※3:3割溶解
※4:4割溶解
※5:7割溶解
※6:9割溶解

紫外可視吸光スペクトル

アリル基を有する代表的なイオン液体である 1-Allyl-3-butylimidazolium bis(trifluoromethanesulfonyl)imide【ABIm TFSI】は外観上無色であり、可視領域(350~700 nm)では吸収がほとんど観察されません。



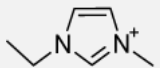
セルロース溶解性イオン液体

東京農工大学の⁷⁾大野教授らによって開発されたホスホネート系イオン液体を製品化しております。本化合物は、高い極性を示すホスホン酸誘導体をアニオンとしており、セルロースを緩和な条件で溶解することができます。

7) J.Y.Fukaya, K.Hayashi, M.Wada and H.Ohno, *Green Chem.*, **2008**, *10*, 44-46.

製品リスト

1-Ethyl-3-methylimidazolium methylphosphonate

	1137959-66-0	14670-35	素材研究用	25 mL
	C ₇ H ₁₅ N ₂ O ₃ P	14670-25	素材研究用	100 mL
	206.18			
d 1.19				

溶解性

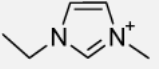
●各溶媒と混合時の相溶性(体積比1:1)

溶媒	1-Ethyl-3-methylimidazolium methylphosphonate
水	○
メタノール	○
エタノール	○
アセトン	○
酢酸エチル	×
アセトニトリル	○
テトラヒドロフラン	△
ジエチルエーテル	×
ヘキサン	×
トルエン	×
ジクロロメタン	○
クロロホルム	○

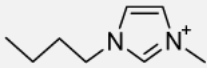
○ : 溶解、△ : 一部溶解、× : 不溶

関連製品

1-Ethyl-3-methylimidazolium acetate

	143314-17-4	49514-02	ILT	IL-0189-TG	95%	25 g
	C ₈ H ₁₄ N ₂ O ₂	49514-03	ILT	IL-0189-TG	95%	100 g
	170.21					

1-Butyl-3-methylimidazolium chloride

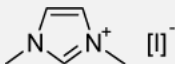
	79917-90-1	05068-53	素材研究用	5 g
	C ₈ H ₁₅ ClN ₂	05068-33	素材研究用	25 g
	174.67			
65 °C				

よう素系イオン液体

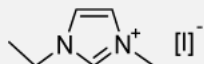
よう素系イオン液体は色素増感型太陽電池などの分野で以前より検討されていた化合物ですが、一部の製品はよう素による着色が問題とされていました。本製品は、極力着色を抑えたイオン液体です。

製品リスト

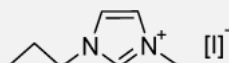
1,3-Dimethylimidazolium iodide

 81 °C	4333-62-4 C₅H₉IN₂ 224.04	10506-35	素材研究用	25 g
		10506-25	素材研究用	100 g
		81 °C		

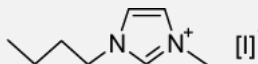
1-Ethyl-3-methylimidazolium iodide

	35935-34-3 C ₆ H ₁₁ IN ₂ 238.07	14669-35	素材研究用	25 g
		14669-25	素材研究用	100 g
		80-85 °C		

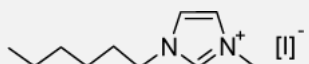
1-Propyl-3-methylimidazolium iodide

		119171-18-5	32520-35	素材研究用	25 mL
		C ₇ H ₁₃ IN ₂	32520-25	素材研究用	100 mL
		252.10			
935 cP (25 °C)	d 1.54 (24 °C)	0.96 mS/cm (30 °C)			

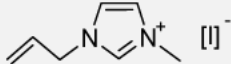
1-Butyl-3-methylimidazolium iodide

1-Butyl-3-methylimidazolium iodide					
	65039-05-6		04235-35	素材研究用	25 mL
	$C_8H_{15}IN_2$		04235-25	素材研究用	100 mL
	266.12				
1183 cP (25 °C)	d 1.48 (25 °C)	0.52 mS/cm (25 °C)			

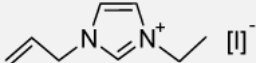
1-Hexyl-3-methylimidazolium iodide

 1730 cP (25 °C)	178631-05-5 C ₁₀ H ₁₉ IN ₂ 294.18 0.25 mS/cm (25 °C)	18010-35	素材研究用	25 mL
		1730 cP (25 °C) 0.25 mS/cm (25 °C)		

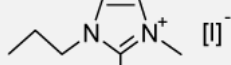
1-Allyl-3-methylimidazolium iodide

 57 °C	65039-07-8 C ₇ H ₁₁ IN ₂ 250.08	01120-35	素材研究用	25 g
		01120-25	素材研究用	100 g
		57 °C		

1-Allyl-3-ethylimidazolium iodide

	920981-07-3 $C_8H_{13}IN_2$ 264.11	01119-35	素材研究用	25 mL
		01119-25	素材研究用	100 mL

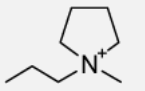
1,2-Dimethyl-3-propylimidazolium iodide

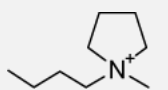
 94 °C	218151-78-1 C ₈ H ₁₅ IN ₂ 266.12	11507-35	素材研究用	25 g
		11507-25	素材研究用	100 g

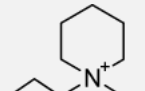
脂肪族系イオン液体

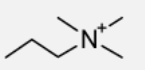
国立研究開発法人産業技術総合研究所の松本氏らが開発した脂肪族系イオン液体を製品化しました。

製品リスト

N-Methyl-N-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide 【P13 TFSI】				
	223437-05-6	26050-55	素材研究用	5 mL
	C ₁₀ H ₁₈ F ₆ N ₂ O ₄ S ₂	26050-35	素材研究用	25 mL
	408.39			
59 cP (25 °C)	d 1.43 (29 °C)	4.92 mS/cm (30 °C)		

N-Butyl-N-methylpyrrolidinium bis(trifluoromethanesulfonyl)imide 【P14 TFSI】				
	223437-11-4	26125-53	素材研究用	5 mL
	C ₁₁ H ₂₀ F ₆ N ₂ O ₄ S ₂	26125-33	素材研究用	25 mL
	422.41			
-18 °C	72 cP (25 °C)	d 1.40 (23 °C)	2.12 mS/cm (20 °C)	

N-Methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide 【PP13 TFSI】				
	608140-12-1	26039-53	素材研究用	5 mL
	C ₁₁ H ₂₀ F ₆ N ₂ O ₄ S ₂	26039-33	素材研究用	25 mL
	422.41			
176 cP (25 °C)	d 1.41 (23 °C)	2.12 mS/cm (30 °C)		

N,N,N-Trimethyl-N-propylammonium bis(trifluoromethanesulfonyl)imide 【TMPA TFSI】				
	268536-05-6	41110-53	素材研究用	5 mL
	C ₈ H ₁₆ F ₆ N ₂ O ₄ S ₂	41110-33	素材研究用	25 mL
	382.35			

溶解性・電位窓

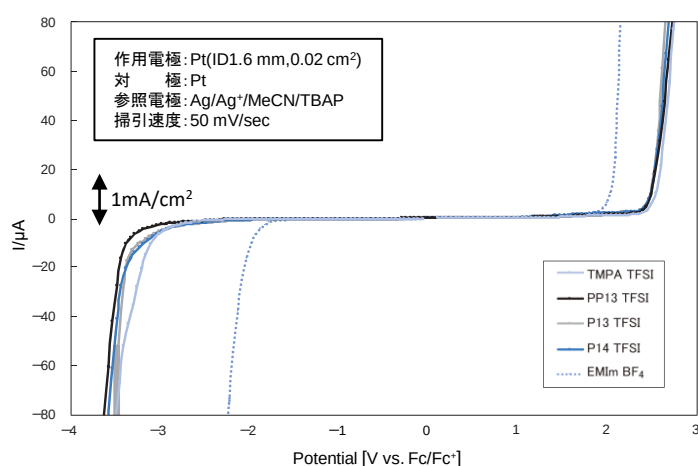
●各溶媒と混合時の相溶性(体積比 1:1)

溶媒	P13 TFSI	P14 TFSI	PP13 TFSI	TMPA TFSI
水	×	×	×	×
メタノール	○	○	○	○
エタノール	○	○	○	○
2-プロパノール	○	○	○	○
アセトン	○	○	○	○
酢酸エチル	○	○	○	○
アセトニトリル	○	○	○	○
テトラヒドロフラン	○	○	○	○
ジエチルエーテル	△※ ¹	△※ ³	×	△※ ¹
ヘキサン	×	×	×	×
トルエン	△※ ²	△※ ²	△※ ²	△※ ⁴
ジクロロメタン	○	○	○	○
クロロホルム	○	○	○	○

○：溶解、△：一部溶解、×：不溶

※ 1: 2 割溶解
 ※ 2: 9 割溶解
 ※ 3: 4 割溶解
 ※ 4: 5 割溶解

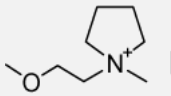
●各イオン液体の電位窓



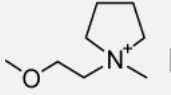
日清紡ホールディングス株式会社製 脂肪族系イオン液体

製品リスト

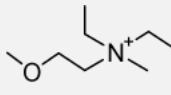
N-(2-Methoxyethyl)-*N*-methyl-pyrrolidinium bis(trifluoromethanesulfonyl)imide 【MEMP TFSI】

	757240-24-7	25966-55	素材研究用	5 mL
	C ₁₀ H ₁₈ F ₆ N ₂ O ₅ S ₂	25966-35	素材研究用	25 mL
	424.39	25966-05	素材研究用	500 g
	-95 °C 50 cP (25 °C) d 1.45 3.8 mS/cm			

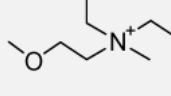
N-(2-Methoxyethyl)-*N*-methyl-pyrrolidinium tetrafluoroborate 【MEMP BF₄】

	464927-76-2	25967-45	素材研究用	10 mL
	C ₈ H ₁₈ BF ₄ NO	25967-25	素材研究用	100 mL
	231.04	25967-05	素材研究用	500 g
	18 °C 154 cP (25 °C) d 1.23 2.9 mS/cm			

N,N-Diethyl-*N*-methyl-*N*-(2-methoxyethyl)ammonium bis(trifluoromethanesulfonyl)imide 【DEME TFSI】

	464927-84-2	11468-55	素材研究用	5 mL
	C ₁₀ H ₂₀ F ₆ N ₂ O ₅ S ₂	11468-35	素材研究用	25 mL
	426.40			
	67 cP (25 °C) d 1.42 2.62 mS/cm			

N,N-Diethyl-*N*-methyl-*N*-(2-methoxyethyl)ammonium tetrafluoroborate 【DEME BF₄】

	464927-72-8	11469-45	素材研究用	10 mL
	C ₈ H ₂₀ NOBF ₄	11469-25	素材研究用	100 mL
	233.06			
	9 °C 272 cP (25 °C) d 1.17 1.24 mS/cm			

溶解性

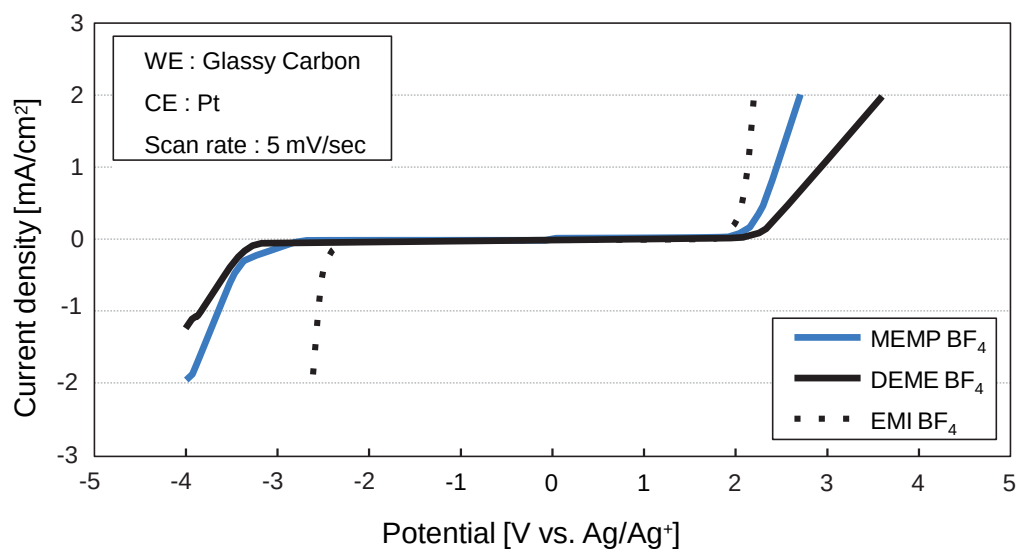
●各溶媒と混合時の相溶性(体積比1:1)

溶媒	MEMP TFSI	MEMP BF ₄	DEME TFSI	DEME BF ₄
水	×	○	×	○
メタノール	○	○	○	○
エタノール	○	△※1	○	△※3
2-プロパノール	○	△※2	△※2	△※4
アセトン	○	○	○	○
酢酸エチル	○	△※1	○	×
アセトニトリル	○	○	○	○
テトラヒドロフラン	○	△※3	○	△※3
ヘキサン	×	×	×	×
トルエン	○	×	×	×
クロロホルム	○	○	○	○

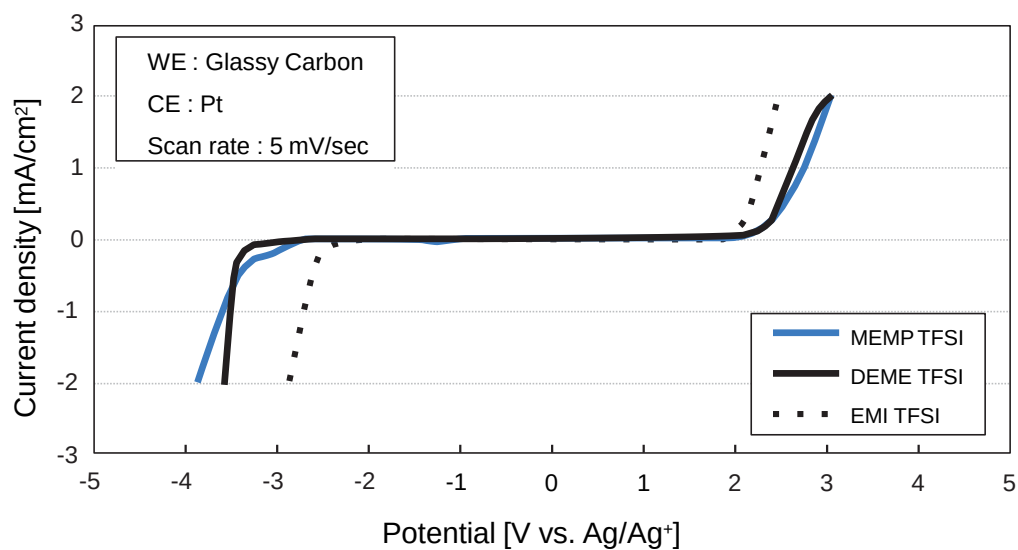
○:溶解、△:一部溶解、×:不溶

※1:3割溶解
※2:1割溶解
※3:2割溶解
※4:1割以下溶解

Anion : BF_4^-



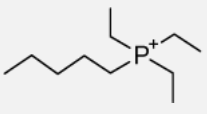
Anion : TFSI^-



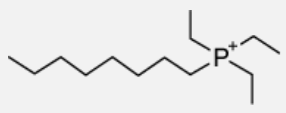
日本化学工業株式会社製 四級ホスホニウム系イオン液体

製品リスト

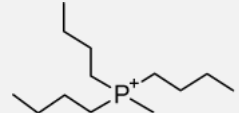
Triethylpentylphosphonium bis(trifluoromethanesulfonyl)imide 【P2225 TFSI】

	1010707-47-7	40334-35	素材研究用	25 mL
	C ₁₃ H ₂₆ F ₆ NO ₄ PS ₂			
	469.45			
	17 °C	88 cP	d 1.32	1.70 mS/cm

Triethyloctylphosphonium bis(trifluoromethanesulfonyl)imide 【P2228 TFSI】

	1002754-38-2	40335-35	素材研究用	25 mL
	C ₁₆ H ₃₂ F ₆ NO ₄ PS ₂			
	511.53			
	< -50 °C (T _g)	129 cP	d 1.26	0.98 mS/cm

Tributylmethylphosphonium bis(trifluoromethanesulfonyl)imide 【P4441 TFSI】

	324575-10-2	40336-35	素材研究用	25 mL
	C ₁₅ H ₃₀ F ₆ NO ₄ PS ₂			
	497.50			
	16 °C	207 cP	d 1.28	0.42 mS/cm

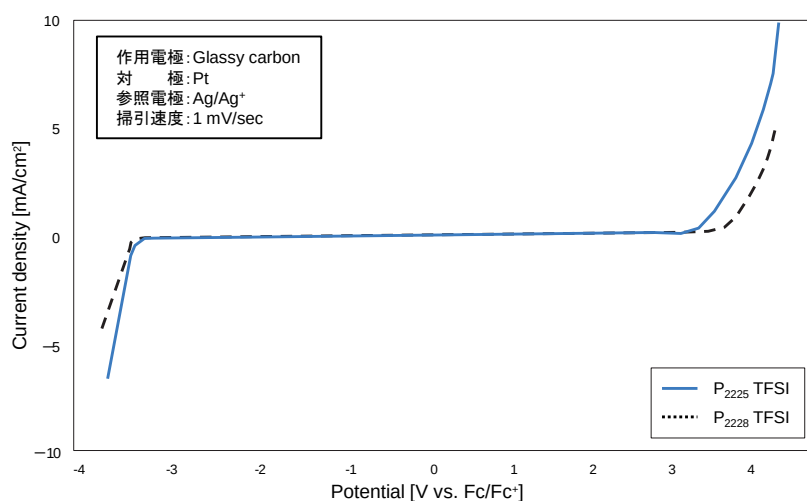
溶解性

●各溶媒と混合時の相溶性(体積比1:1)

溶媒	P ₂₂₂₅ TFSI	P ₂₂₂₈ TFSI	P ₄₄₄₁ TFSI
水	×	×	○
メタノール	○	○	○
エタノール	○	○	○
アセトン	○	○	○
アセトニトリル	○	○	○
ヘキサン	×	×	×
クロロホルム	○	○	○

○ : 溶解、△ : 一部溶解、× : 不溶

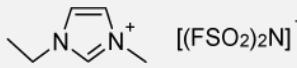
電位窓

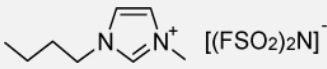


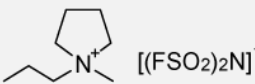
FSI(ビス(フルオロスルホニル)イミド)系イオン液体

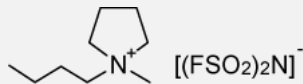
FSIイオン液体は、TFSI系イオン液体と比べて粘度やイオン伝導率の面で優れていることから、二次電池用電解質として広く検討されています。

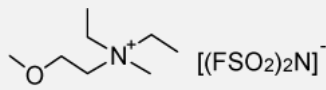
製品リスト

1-Ethyl-3-methylimidazolium bis (fluorosulfonyl)imide 【EMIm FSI】				
	235789-75-0	14697-35	素材研究用	25 mL
	C ₆ H ₁₁ F ₂ N ₃ O ₄ S ₂			
	291.30			
-14 °C	20 cP (23 °C)	d 1.45		

1-Butyl- <i>N</i> -methylimidazolium bis(fluorosulfonyl)imide 【BMIm FSI】				
	1235234-58-8	05816-35	素材研究用	25 mL
	C ₈ H ₁₅ F ₂ N ₃ O ₄ S ₂			
	319.36			
<-50 °C	33 cP (24 °C)	d 1.36 (19 °C)		

<i>N</i> -Methyl-1-propylpyrrolidinium bis(fluorosulfonyl)imide 【P13 FSI】				
	852620-97-4	25978-35	素材研究用	25 mL
	C ₈ H ₁₈ F ₂ N ₂ O ₄ S ₂			
	308.37			
-10 °C	41 cP (24 °C)	d 1.35 (29 °C)		

<i>N</i> -Butyl- <i>N</i> -methylpyrrolidinium bis(fluorosulfonyl)imide 【P14 FSI】				
	1057745-51-3	05829-35	素材研究用	25 mL
	C ₉ H ₂₀ F ₂ N ₂ O ₄ S ₂			
	322.40			

<i>N,N</i> -Diethyl- <i>N</i> -methyl- <i>N</i> -(2-methoxyethyl)ammonium bis(fluorosulfonyl)imide 【DEME FSI】				
	1079129-48-8	10505-35	素材研究用	25 mL
	C ₈ H ₂₀ F ₂ N ₂ O ₅ S ₂			
	326.39			
-22 °C	46 cP (25 °C)	d 1.27 (23 °C)	5.6 mS/cm (20 °C)	

溶解性

●各溶媒と混合時の相溶性(体積比1:1)

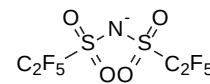
溶媒	EMIm FSI	BMIm FSI	P13 FSI
水	×	×	×
メタノール	○	○	○
エタノール	○	○	○
2-プロパノール	×	△※	×
アセトン	○	○	○
酢酸エチル	○	○	○
アセトニトリル	○	○	○
テトラヒドロフラン	○	○	○
ジエチルエーテル	×	×	×
ヘキサン	×	×	×
トルエン	×	○	×
ジクロロメタン	○	○	○
クロロホルム	○	○	○

○:溶解、△:一部溶解、×:不溶

※ 1 割溶解

BETI [ビス(ペンタフルオロエチルスルホニル)イミド]はイオン液体の代表的なアニオンの1つです。ドイツ IoLiTec GmbH (イオリテック) 社製のBETIをアニオンに有する「リチウム塩」、ならびに「イオン液体」を取り扱っております。

本製品は、類似構造を有するFSIアニオンおよびTFSIアニオンと同様に電気化学関連分野の電解質等での活用が期待されております。



BETI

bis(perfluoroethylsulfonyl)imide

製品リスト

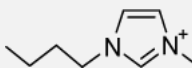
●LiBETI

Lithium bis(pentafluoroethylsulfonyl)imide

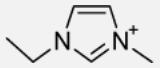
	132843-44-8	49520-26	ILT	KI-0016-HP	99%	25 g
	LiN(SO ₂ C ₂ F ₅) ₂	49520-27	ILT	KI-0016-HP	99%	100 g
	387.13					

●BETI系イオン液体

1-Butyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide

	254731-29-8	49520-31	ILT	IL-0321-HP	> 98%	1 g
	C ₁₂ H ₁₅ F ₁₀ N ₃ O ₄ S ₂	49529-55	ILT	IL-0321-HP	> 98%	25 g
	519.39					

1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide

	216299-76-2	49529-54	ILT	IL-0320-HP	98%	25 g
	C ₁₀ H ₁₁ F ₁₀ N ₃ O ₄ S ₂					
	491.33					

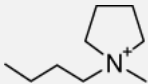
ソルビオニック社製 イオン液体/金属塩

フランスSOLVIONIC（ソルビオニック）社の製品を販売しています。ナトリウムイオン二次電池・マグネシウム二次電池等の次世代電池の電解質として注目されているナトリウム塩（NaFSI、NaTFSI）およびマグネシウム塩（Mg(TFSI)₂）を取り扱っております。下記製品以外も取り扱っておりますので製品リストをご参照ください。

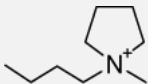
製品リスト

●イオン液体

1-Butyl-1-methylpyrrolidinium bis(fluorosulfonyl)imide

 $[(\text{FSO}_2)_2\text{N}]^-$	1057745-51-3	49210-20	SOLVI	PYR0433A	99.9%	50 g
	C ₉ H ₂₀ F ₂ N ₂ O ₄ S ₂					
	322.40					

1-Butyl-1-methylpyrrolidinium bis(trifluoromethanesulfonyl)imide

 $[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	223437-11-4	49210-19	SOLVI	PYR0408A	99.9%	50 g
	C ₁₁ H ₂₀ F ₆ N ₂ O ₄ S ₂					
	422.41					
-18 °C 72 cP (25 °C) d 1.40 (23 °C) 2.12 mS/cm (20 °C)						

●金属塩

Sodium(I) bis(fluorosulfonyl)imide

$\text{Na}^+ [(\text{FSO}_2)_2\text{N}]^-$	100669-96-3	49210-16	SOLVI	M1133A	99.7%	10 g
	NaN(SO ₂ F) ₂					
	203.13					

Sodium(I) bis(trifluoromethanesulfonyl)imide

$\text{Na}^+ [(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	91742-21-1	49210-17	SOLVI	M1108C	99.5%	10 g
	NaN(SO ₂ CF ₃) ₂					
	303.14					

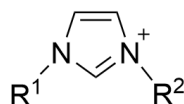
Magnesium(II) bis(trifluoromethanesulfonyl)imide

$\text{Mg}^{2+} 2[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	133395-16-1	49210-18	SOLVI	M1208C	99.5%	10 g
	Mg[N(SO ₂ CF ₃) ₂] ₂					
	584.61					

Zinc(II) bis(trifluoromethanesulfonyl)imide

$\text{Zn}^{2+} 2[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	168106-25-0	49210-21	SOLVI	M3008B	99.5%	10 g
	Zn[N(SO ₂ CF ₃) ₂] ₂					
	625.68					

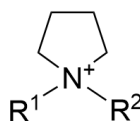
イミダゾリウム系



p.18

- 1-Alkyl-3-methylimidazolium
- 1-Alkyl-3-ethylimidazolium
- 1-Alkyl-3-vinylimidazolium
- 1-Alkyl-3-allylimidazolium
- Imidazolium【Others】
- 1,2,3-Alkylimidazolium

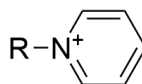
ピロリジニウム系



p.44

- 1-Alkyl-1-methylpyrrolidinium
- 1-Methyl-1-(X)pyrrolidinium

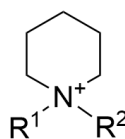
ピリジニウム系



p.49

- 1-Alkylpyridinium
- Methyl-1-alkylpyridinium

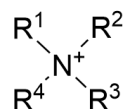
ピペリジニウム系



p.58

- 1-Alkyl-1-methylpiperidinium

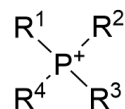
アンモニウム系



p.60

- Alkylammonium
- Ammonium【Others】

ホスホニウム系



p.64

- Alkylphosphonium

その他

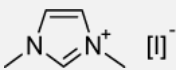
p.67

- Others

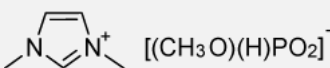
イミダゾリウム系

1-Alkyl-3-methylimidazolium

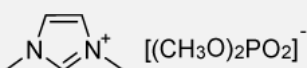
1,3-Dimethylimidazolium iodide

	4333-62-4	10506-35	素材研究用	25 g
	C ₅ H ₉ IN ₂	10506-25	素材研究用	100 g
	224.04			
81 °C				

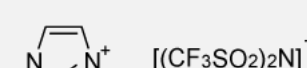
1,3-Dimethylimidazolium methylphosphonate

	1048377-03-2	49210-12	SOLVI	DIM0126C50	98%	50 g
	C ₆ H ₁₃ N ₂ PO ₃					
	192.15					

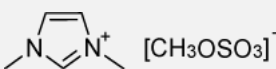
1,3-Dimethylimidazolium dimethylphosphate

	654058-04-5	49514-00	ILT	IL-0053-HP	> 98%	25 g
	C ₇ H ₁₅ N ₂ O ₄ P	49514-01	ILT	IL-0053-HP	> 98%	100 g
	222.18					
232 cP (25 °C) d 1.25 (30 °C) 2.86 mS/cm (30 °C)						

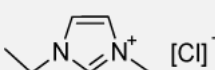
1,3-Dimethylimidazolium bis(trifluoromethylsulfonyl)imide

	174899-81-1	49528-30	ILT	IL-0198-HP	99%	25 g
	C ₇ H ₉ F ₆ N ₃ O ₄ S ₂					
	377.29					

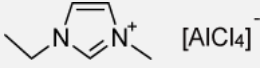
1,3-Dimethylimidazolium methylsulfate

	97345-90-9	49518-89	ILT	IL-0243-HP	98%	25 g
	C ₆ H ₁₂ N ₂ O ₄ S	49518-90	ILT	IL-0243-HP	98%	100 g
	208.24					
70 cP (25 °C) d 1.32 (26 °C) 4.02 mS/cm (30 °C)						

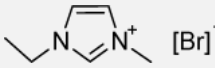
1-Ethyl-3-methylimidazolium chloride

	65039-09-0	35408-2A	TFS	35408-0050	> 96%	5 g
	C ₆ H ₁₁ ClN ₂	35408-1A	TFS	35408-0250	> 96%	25 g
	146.62	35408-3A	TFS	35408-1000	> 96%	100 g
		49514-08	ILT	IL-0093-HP	> 98%	25 g
		49514-09	ILT	IL-0093-HP	> 98%	100 g
		49528-13	ILT	IL-0093-UP	> 99%	25 g
	87 °C					

1-Ethyl-3-methylimidazolium chloride and Aluminum chloride (1:1.5) 【EMIm Cl + AlCl₃ (1:1.5)】

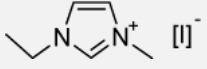
	65039-09-0/7446-70-0	49527-67	ILT	EP-0001-HP	> 98%	25 g
	C ₆ H ₁₁ ClN ₂ 1.5AlCl ₃	49527-68	ILT	EP-0001-HP	> 98%	100 g

1-Ethyl-3-methylimidazolium bromide

	65039-08-9	14609-53	素材研究用			5 g
	C ₆ H ₁₁ BrN ₂	14609-33	素材研究用			25 g
	191.07	35667-2A	TFS	35667-0050	> 97.5%	5 g
		35667-1A	TFS	35667-0250	> 97.5%	25 g
	91 °C					

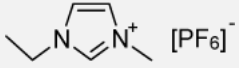
イミダゾリウム系

1-Ethyl-3-methylimidazolium iodide

	35935-34-3	14669-35	素材研究用	25 g
	C ₆ H ₁₁ IN ₂	14669-25	素材研究用	100 g
	238.07	49514-20	ILT IL-0048-HP > 98%	25 g
		49514-21	ILT IL-0048-HP > 98%	100 g

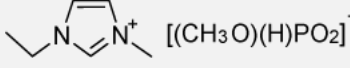
80-85 °C

1-Ethyl-3-methylimidazolium hexafluorophosphate

	155371-19-0	14643-53	素材研究用	5 g
	C ₆ H ₁₁ F ₆ N ₂ P	14643-33	素材研究用	25 g

256.13

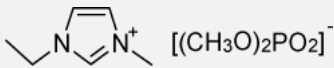
1-Ethyl-3-methylimidazolium methylphosphonate

	1137959-66-0	14670-35	素材研究用	25 mL
	C ₇ H ₁₅ N ₂ O ₃ P	14670-25	素材研究用	100 mL

206.18

d 1.19

1-Ethyl-3-methylimidazolium dimethylphosphate

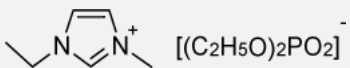
	945611-27-8	49518-37	ILT IL-0220-HP 98%	25 g
	C ₈ H ₁₇ N ₂ O ₄ P	49518-38	ILT IL-0220-HP 98%	100 g

236.21

23 °C

d 1.22 (22 °C) 1.86 mS/cm (30 °C)

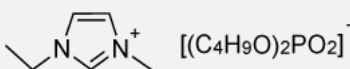
1-Ethyl-3-methylimidazolium diethylphosphate

	848641-69-0	49514-12	ILT IL-0052-HP > 98%	25 g
	C ₁₀ H ₂₁ N ₂ O ₄ P	49514-13	ILT IL-0052-HP > 98%	100 g

264.26

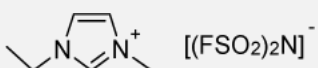
0.64 mS/cm

1-Ethyl-3-methylimidazolium dibutylphosphate

	869858-84-4	49529-12	ILT IL-0323-HP 97%	25 g
	C ₁₄ H ₂₉ N ₂ O ₄ P			

320.36

1-Ethyl-3-methylimidazolium bis (fluorosulfonyl)imide

	235789-75-0	14697-35	素材研究用	25 mL
	C ₆ H ₁₁ F ₂ N ₃ O ₄ S ₂			

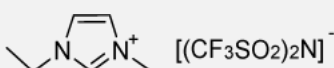
291.30

-14 °C

20 cP (23 °C)

d 1.45

1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide

	174899-82-2	49517-96	ILT IL-0023-UP 99.5%	25 g
	C ₈ H ₁₁ F ₆ N ₃ O ₄ S ₂	49517-97	ILT IL-0023-UP 99.5%	100 g
	391.32	49529-49	ILT IL-0023-OP 99.5%	25 g

391.32

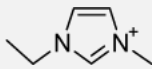
-3 °C

32 cP (25 °C)

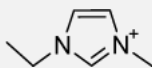
d 1.52 (20 °C) 6.63 mS/cm (20 °C)

イミダゾリウム系

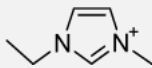
1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide

 $[(C_2F_5SO_2)_2N]^-$	216299-76-2	49529-54	ILT	IL-0320-HP	98%	25 g
	$C_{10}H_{11}F_{10}N_3O_4S_2$					
	491.33					

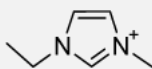
1-Ethyl-3-methylimidazolium tetrafluoroborate

 $[BF_4]^-$	143314-16-3	14644-53	素材研究用			5 mL
	$CH_3C_3H_3N_2C_2H_5BF_4$	14644-33	素材研究用			25 mL
	197.97	49527-90	ILT	IL-0006-UP	99%	25 g
15 °C	34 cP (25 °C)	d 1.28 (24 °C)	14.1 mS/cm (25 °C)			

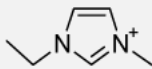
1-Ethyl-3-methylimidazolium hydrogensulfate

 $[HSO_4]^-$	412009-61-1	49514-18	ILT	IL-0091-HP	98%	25 g
	$C_6H_{12}N_2O_4S$	49514-19	ILT	IL-0091-HP	98%	100 g
	208.24					
	1510 cP (25 °C)	d 1.36 (28 °C)	0.50 mS/cm (20 °C)			

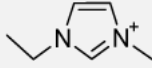
1-Ethyl-3-methylimidazolium methanesulfonate

 $[CH_3SO_3]^-$	145022-45-3	49514-22	ILT	IL-0004-HP	99%	25 g
	$C_7H_{14}N_2O_3S$	49514-23	ILT	IL-0004-HP	99%	100 g
	206.27					
	135 cP (25 °C)	d 1.24 (23 °C)	3.69 mS/cm (30 °C)			

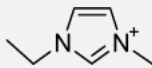
1-Ethyl-3-methylimidazolium triflate

 $[CF_3SO_3]^-$	145022-44-2	49514-35	ILT	IL-0009-HP	99%	25 g
	$C_7H_{11}F_3N_2O_3S$	49514-36	ILT	IL-0009-HP	99%	100 g
	260.24					
-9 °C	40 cP (25 °C)	d 1.39 (25 °C)	9.84 mS/cm (30 °C)			

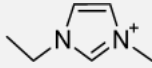
1-Ethyl-3-methylimidazolium methylsulfate

 $[CH_3OSO_3]^-$	516474-01-4	49514-24	ILT	IL-0112-HP	98%	25 g
	$C_7H_{14}N_2O_4S$	49514-25	ILT	IL-0112-HP	98%	100 g
	222.27					
	64 cP (25 °C)	d 1.28 (26 °C)				

1-Ethyl-3-methylimidazolium ethylsulfate

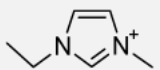
 $[C_2H_5OSO_3]^-$	342573-75-5	49514-14	ILT	IL-0033-HP	98%	25 g
	$C_8H_{16}N_2O_4S$	49514-15	ILT	IL-0033-HP	98%	100 g
	236.29					
	94 cP (25 °C)	d 1.24 (24 °C)	5.56 mS/cm (30 °C)			

1-Ethyl-3-methylimidazolium thiocyanate

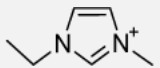
 $[SCN]^-$	331717-63-6	49514-31	ILT	IL-0007-HP	> 98%	25 g
	$C_7H_{11}N_3S$	49514-32	ILT	IL-0007-HP	> 98%	100 g
	169.25					
-6 °C	25 cP (20 °C)	d 1.12 (25 °C)	17.9 mS/cm (20 °C)			

イミダゾリウム系

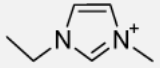
1-Ethyl-3-methylimidazolium dicyanamide

	370865-89-7	49514-10	ILT	IL-0003-HP	> 98%	25 g
	C ₈ H ₁₁ N ₅	49514-11	ILT	IL-0003-HP	> 98%	100 g
	177.21	49527-87	ILT	IL-0003-UP	> 99%	25 g
	-21 °C 15 cP (25 °C) d 1.10 (26 °C) 17.7 mS/cm (30 °C)					

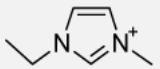
1-Ethyl-3-methylimidazolium tricyanomethanide

	666823-18-3	49527-43	ILT	IL-0316-HP	98%	25 g
	C ₁₀ H ₁₁ N ₅	49527-44	ILT	IL-0316-HP	98%	100 g
	201.23					

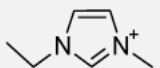
1-Ethyl-3-methylimidazolium acetate

	143314-17-4	49514-02	ILT	IL-0189-TG	95%	25 g
	C ₈ H ₁₄ N ₂ O ₂	49514-03	ILT	IL-0189-TG	95%	100 g
	170.21					

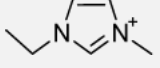
1-Ethyl-3-methylimidazolium methylcarbonate, 30% in methanol

	251102-25-7	49529-26	ILT	IN-0027-SG	> 97%	25 g

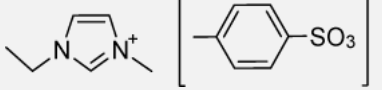
1-Ethyl-3-methylimidazolium trifluoroacetate

	174899-65-1	49518-02	ILT	IL-0027-SG	> 97%	25 g
	C ₈ H ₁₁ N ₂ F ₃ O ₂	49518-03	ILT	IL-0027-SG	> 97%	100 g
	224.18					

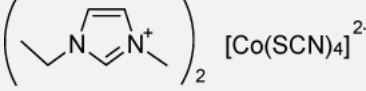
1-Ethyl-3-methylimidazolium nitrate

	143314-14-1	49517-94	ILT	IL-0005-HP	> 98%	25 g
	C ₆ H ₁₁ N ₃ O ₃	49517-95	ILT	IL-0005-HP	> 98%	100 g
	173.17					
	38 °C 21 cP (45 °C)					

1-Ethyl-3-methylimidazolium tosylate

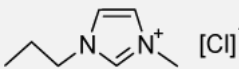
	328090-25-1	49514-33	ILT	IL-0008-HP	99%	25 g
	C ₁₃ H ₁₈ N ₂ O ₃ S	49514-34	ILT	IL-0008-HP	99%	100 g
	282.36					
	54 °C 5214 cP (20 °C) d 1.23 0.19 mS/cm (20 °C)					

Bis(1-ethyl-3-methylimidazolium) tetrathiocyanatocobaltate

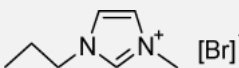
	1255925-80-4	49520-10	ILT	IL-0309-HP	99%	25 g
	C ₁₆ H ₂₂ CoN ₈ S ₄	49520-11	ILT	IL-0309-HP	99%	100 g
	513.61					

イミダゾリウム系

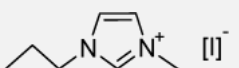
1-Methyl-3-propylimidazolium chloride

 60 °C	79917-89-8	49514-41	ILT	IL-0144-HP	> 98%	25 g
	C ₇ H ₁₃ ClN ₂	49514-42	ILT	IL-0144-HP	> 98%	100 g
	160.64					

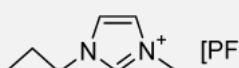
1-Methyl-3-propylimidazolium bromide

 28 °C 11150 cP (18 °C)	85100-76-1	49514-39	ILT	IL-0096-HP	99%	25 g
	C ₇ H ₁₃ BrN ₂	49514-40	ILT	IL-0096-HP	99%	100 g
	205.10					

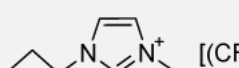
1-Methyl-3-propylimidazolium iodide

 935 cP (25 °C) d 1.54 (24 °C) 0.96 mS/cm (30 °C)	119171-18-5	32520-35	素材研究用			25 mL
	C ₇ H ₁₃ IN ₂	32520-25	素材研究用			100 mL
	252.10	49514-45	ILT	IL-0025-HP	> 98%	25 g
		49514-46	ILT	IL-0025-HP	> 98%	100 g

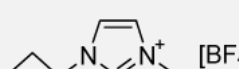
1-Methyl-3-propylimidazolium hexafluorophosphate

 41 °C	216300-12-8	49514-43	ILT	IL-0142-HP	99%	25 g
	C ₇ H ₁₃ F ₆ N ₂ P	49514-44	ILT	IL-0142-HP	99%	100 g
	270.16					

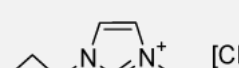
1-Methyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide

 44 cP (25 °C) d 1.48 (18 °C) 4.40 mS/cm (20 °C)	216299-72-8	49514-37	ILT	IL-0024-HP	99%	25 g
	C ₉ H ₁₃ F ₆ N ₃ O ₄ S ₂	49514-38	ILT	IL-0024-HP	99%	100 g
	405.34	49527-97	ILT	IL-0024-UP	99.5%	25 g

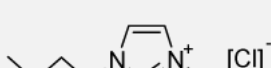
1-Methyl-3-propylimidazolium tetrafluoroborate

 74 cP (25 °C) d 1.27 (20 °C)	244193-48-4	49514-47	ILT	IL-0143-HP	> 98%	25 g
	C ₇ H ₁₃ BF ₄ N ₂	49514-48	ILT	IL-0143-HP	> 98%	100 g
	212.00					

1-Methyl-3-propylimidazolium trifluoromethanesulfonate

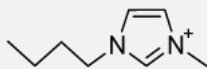
	878550-45-9	49528-90	ILT	IL-0296-HP	99%	25 g
	C ₈ H ₁₃ F ₃ N ₂ O ₃ S					
	274.26					

1-Butyl-3-methylimidazolium chloride

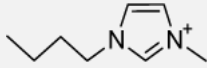
 65 °C	79917-90-1	05068-53	素材研究用			5 g
	C ₈ H ₁₅ ClN ₂	05068-33	素材研究用			25 g
	174.67	35409-2A	TFS	35409-0050	> 98%	5 g
		35409-1A	TFS	35409-0250	> 98%	25 g

イミダゾリウム系

1-Butyl-3-methylimidazolium chloride and Aluminum chloride (1:1.5) 【BMIm Cl + AlCl₃ (1:1.5)】

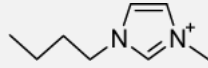
 $[\text{AlCl}_4]^-$	79917-90-1/7446-70-0	49527-69	ILT	EP-0002-HP	25 g
	C ₈ H ₁₅ ClN ₂ 1.5AlCl ₃	49527-70	ILT	EP-0002-HP	100 g

1-Butyl-3-methylimidazolium bromide

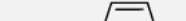
 $[\text{Br}]^-$	85100-77-2	49514-51	ILT	IL-0037-HP	99%	25 g
	C ₈ H ₁₅ BrN ₂ 219.12	49514-52	ILT	IL-0037-HP	99%	100 g

81 °C

1-Butyl-3-methylimidazolium iodide

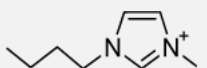
 $[\text{I}]^-$	65039-05-6	04235-35	素材研究用	25 mL		
	C ₈ H ₁₅ IN ₂	04235-25	素材研究用	100 mL		
	266.12	49514-61	ILT	IL-0051-HP	> 98%	25 g
		49514-62	ILT	IL-0051-HP	> 98%	100 g
	1183 cP (25 °C)	d 1.48 (25 °C)	0.52 mS/cm (25 °C)			

1-Butyl-3-methylimidazolium hexafluorophosphate

 $[\text{PF}_6]^-$	174501-64-5	05064-53	素材研究用	5 mL		
	$\text{CH}_3\text{C}_3\text{H}_3\text{N}_2\text{C}_4\text{H}_9\text{PF}_6$	05064-33	素材研究用	25 mL		
	284.18	49527-92	ILT	IL-0011-UP	99.5%	25 g
		35417-2A	TFS	35417-0050	> 98%	5 g
		35417-1A	TFS	35417-0250	> 98%	25 g

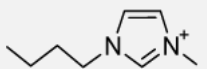
-8 °C 267 cP (25 °C) d 1.37 (23 °C) 1.37 mS/cm (20 °C)

1-Butyl-3-methylimidazolium dimethylphosphate

 $[(\text{CH}_3\text{O})_2\text{PO}_2]^-$	891772-94-4	49519-19	ILT	IL-0257-HP	> 98%	25 g
	C ₁₀ H ₂₁ N ₂ O ₄ P 264.26	49519-20	ILT	IL-0257-HP	> 98%	100 g

534 cP (25 °C) d 1.16 (20 °C) 0.56 mS/cm (30 °C)

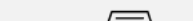
1-Butyl-3-methylimidazolium dibutylphosphate

 $[(\text{C}_4\text{H}_9\text{O})_2\text{PO}_2]^-$	663199-28-8	49529-13	ILT	IL-0324-HP	97%	25 g
	C ₁₆ H ₃₃ N ₂ O ₄ P 348.42					

1-Butyl-3-methylimidazolium bis(fluorosulfonyl)imide

 <chem>CCCCN1C=CN(C)[C+]1.[-]S(=O)(=O)F</chem>	1235234-58-8	05816-35	素材研究用	25 mL
	C ₈ H ₁₅ F ₂ N ₃ O ₄ S ₂ 319.36			
<-50 °C	33 cP (24 °C)	d 1.36 (19 °C)		

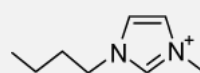
1-Butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide

 $[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	174899-83-3	05063-53	素材研究用	5 mL		
	C ₁₀ H ₁₅ F ₆ N ₃ O ₄ S ₂	05063-33	素材研究用	25 mL		
	419.37	49528-02	ILT	IL-0029-UP	99.5%	25 g
		49529-51	ILT	IL-0029-UP	99.5%	100 g
		49529-50	ILT	IL-0029-OP	99.5%	25 g

-4 °C 49 cP (25 °C) d 1.44 (19 °C) 3.41 mS/cm (25 °C)

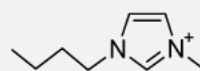
イミダゾリウム系

1-Butyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide



254731-29-8	49520-31	ILT	IL-0321-HP	> 98%	1 g
C ₁₂ H ₁₅ F ₁₀ N ₃ O ₄ S ₂	49529-55	ILT	IL-0321-HP	> 98%	25 g
519.39					

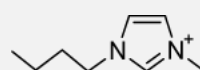
1-Butyl-3-methylimidazolium tetrafluoroborate



174501-65-6	05065-53	素材研究用			5 mL
C ₈ H ₁₅ N ₂ BF ₄	05065-33	素材研究用			25 mL
226.03	35421-1A	TFS	35421-0050	> 98%	5 g

-71 °C (Tg) 104 cP (25 °C) d 1.21 (22 °C) 3.15 mS/cm (20 °C)

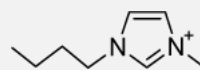
1-Butyl-3-methylimidazolium hydrogensulfate



262297-13-2	49514-59	ILT	IL-0060-HP	98%	25 g
C ₈ H ₁₆ N ₂ O ₄ S	49514-60	ILT	IL-0060-HP	98%	100 g
236.29					

3088 cP (25 °C) d 1.28 (30 °C)

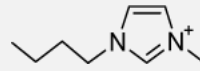
1-Butyl-3-methylimidazolium methanesulfonate



342789-81-5	49514-63	ILT	IL-0061-HP	98%	25 g
C ₉ H ₁₈ N ₂ O ₃ S	49514-64	ILT	IL-0061-HP	98%	100 g
234.32					

73 °C

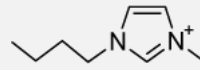
1-Butyl-3-methylimidazolium triflate



174899-66-2	49514-69	ILT	IL-0013-HP	99%	25 g
C ₉ H ₁₅ F ₃ N ₂ O ₃ S	49514-70	ILT	IL-0013-HP	99%	100 g
288.29					

16 °C 80 cP (25 °C) d 1.30 (24 °C) 3.05 mS/cm (20 °C)

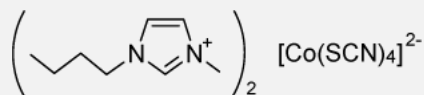
1-Butyl-3-methylimidazolium thiocyanate



344790-87-0	49514-67	ILT	IL-0063-HP	> 98%	25 g
C ₉ H ₁₅ N ₃ S	49514-68	ILT	IL-0063-HP	> 98%	100 g
197.30					

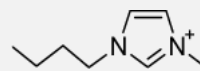
36 cP (25 °C) d 1.07 (30 °C) 8.98 mS/cm (30 °C)

Bis(1-butyl-3-methylimidazolium)tetrathiocyanatocobaltate



1245942-47-5	49520-12	ILT	IL-0310-HP	> 99%	25 g
C ₂₀ H ₃₀ CoN ₈ S ₄	49520-13	ILT	IL-0310-HP	> 99%	100 g
569.71					

1-Butyl-3-methylimidazolium dicyanamide

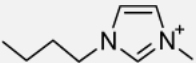


448245-52-1	49514-55	ILT	IL-0010-HP	> 98%	25 g
C ₁₀ H ₁₅ N ₅	49514-56	ILT	IL-0010-HP	> 98%	100 g
205.26					

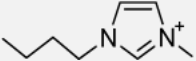
28 cP (25 °C) d 1.06 (30 °C) 9.53 mS/cm (20 °C)

イミダゾリウム系

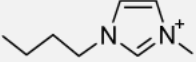
1-Butyl-3-methylimidazolium tricyanomethanide

	878027-73-7	49527-45	ILT	IL-0317-HP	98%	25 g
	C ₁₂ H ₁₅ N ₅	49527-46	ILT	IL-0317-HP	98%	100 g
	229.28					

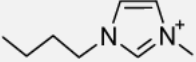
1-Butyl-3-methylimidazolium acetate

	284049-75-8	49520-22	ILT	IL-0315-HP	> 98%	25 g
	C ₁₀ H ₁₈ N ₂ O ₂	49520-23	ILT	IL-0315-HP	> 98%	100 g
	198.26					

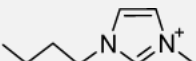
1-Butyl-3-methylimidazolium methylcarbonate; 30% in methanol

	916850-37-8	49529-27	ILT	IN-0028-SG	> 97%	25 g

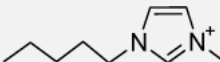
1-Butyl-3-methylimidazolium trifluoroacetate

	174899-94-6	49519-25	ILT	IL-0260-SG	> 97%	25 g
	C ₁₀ H ₁₅ F ₃ N ₂ O ₂	49519-26	ILT	IL-0260-SG	> 97%	100 g
	252.23					

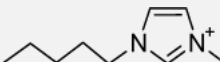
1-Butyl-3-methylimidazolium tetrachloroferrate(III)

	359845-21-9	49518-10	ILT	IL-0047-SG	> 97%	25 g
	C ₈ H ₁₅ Cl ₄ FeN ₂	49518-11	ILT	IL-0047-SG	> 97%	100 g
	336.87					

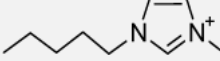
1-Methyl-3-pentylimidazolium bromide

	343851-31-0	49519-84	ILT	IL-0297-HP	99%	25 g
	C ₉ H ₁₇ BrN ₂	49519-85	ILT	IL-0297-HP	99%	100 g
	233.15					

1-Methyl-3-pentylimidazolium hexafluorophosphate

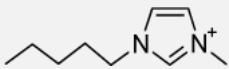
	280779-52-4	49520-04	ILT	IL-0306-HP	> 99%	25 g
	C ₉ H ₁₇ F ₆ N ₂ P	49520-05	ILT	IL-0306-HP	> 99%	100 g
	298.21					

1-Methyl-3-pentylimidazolium bis(trifluoromethylsulfonyl)imide

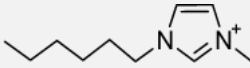
	280779-53-5	49519-90	ILT	IL-0300-HP	> 99%	25 g
	C ₁₁ H ₁₇ F ₆ N ₃ O ₄ S ₂	49519-91	ILT	IL-0300-HP	> 99%	100 g
	433.40					
59 cP (25 °C)	3.28 mS/cm (30 °C)					

イミダゾリウム系

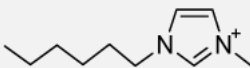
1-Methyl-3-pentylimidazolium tetrafluoroborate

	244193-49-5	49519-96	ILT	IL-0303-HP	> 99%	25 g
	C ₉ H ₁₇ BF ₄ N ₂	49519-97	ILT	IL-0303-HP	> 99%	100 g
	240.05					

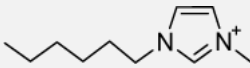
1-Hexyl-3-methylimidazolium chloride

	171058-17-6	49514-75	ILT	IL-0054-HP	> 98%	25 g
	C ₁₀ H ₁₉ ClN ₂	49514-76	ILT	IL-0054-HP	> 98%	100 g
	202.72					
3302 cP (35 °C)	d 1.04 (26 °C)	0.076 mS/cm (30 °C)				

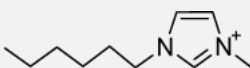
1-Hexyl-3-methylimidazolium bromide

	85100-78-3	49514-73	ILT	IL-0069-HP	99%	25 g
	C ₁₀ H ₁₉ BrN ₂	49514-74	ILT	IL-0069-HP	99%	100 g
	247.18					
3822 cP (25 °C)	0.037 mS/cm					

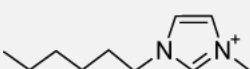
1-Hexyl-3-methylimidazolium iodide

	178631-05-5	18010-35	素材研究用			25 mL
	C ₁₀ H ₁₉ I N ₂	49514-79	ILT	IL-0026-HP	> 98%	25 g
	294.18	49514-80	ILT	IL-0026-HP	> 98%	100 g
1730 cP (25 °C)	0.25 mS/cm (25 °C)					

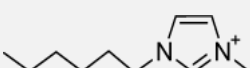
1-Hexyl-3-methylimidazolium hexafluorophosphate

	304680-35-1	49514-77	ILT	IL-0018-HP	99%	25 g
	C ₁₀ H ₁₉ N ₂ ·PF ₆	49514-78	ILT	IL-0018-HP	99%	100 g
	312.24	35418-1A	TFS	35418-0250	> 98.5%	25 g
465 cP (25 °C)	d 1.30 (23 °C)	0.80 mS/cm (30 °C)				

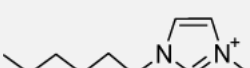
1-Hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide

	382150-50-7	49514-71	ILT	IL-0098-HP	99%	25 g
	C ₁₂ H ₁₉ N ₃ F ₆ S ₂ O ₄	49514-72	ILT	IL-0098-HP	99%	100 g
	447.42	49528-15	ILT	IL-0098-UP	99.5%	25 g
63 cP (25 °C)	d 1.37 (29 °C)	1.73 mS/cm (20 °C)				

1-Hexyl-3-methylimidazolium tetrafluoroborate

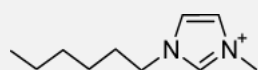
	244193-50-8	49514-81	ILT	IL-0019-HP	99%	25 g
	C ₁₀ H ₁₉ N ₂ ·BF ₄	49514-82	ILT	IL-0019-HP	99%	100 g
	254.08					
288 cP (20 °C)	d 1.15 (24 °C)	1.18 mS/cm (20 °C)				

1-Hexyl-3-methylimidazolium triflate

	460345-16-8	49514-83	ILT	IL-0070-HP	99%	25 g
	C ₁₁ H ₁₉ F ₃ N ₂ O ₃ S	49514-84	ILT	IL-0070-HP	99%	100 g
	316.34					
136 cP (25 °C)	d 1.24 (29 °C)	1.16 mS/cm (24 °C)				

イミダゾリウム系

1-Hexyl-3-methylimidazolium perfluorobutanesulfonate



1001557-05-6

C₁₄H₁₉F₉N₂O₃S

466.37

[49520-14](#)

ILT

IL-0311-HP

> 99%

25 g

[49520-15](#)

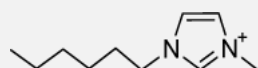
ILT

IL-0311-HP

> 99%

100 g

1-Hexyl-3-methylimidazolium tricyanomethanide



1365535-17-6

C₁₄H₁₉N₅

257.33

[49527-51](#)

ILT

IL-0331-HP

98%

25 g

[49527-52](#)

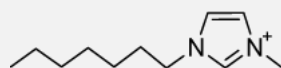
ILT

IL-0331-HP

98%

100 g

1-Heptyl-3-methylimidazolium bromide



6680 cP (25 °C)

343851-32-1

C₁₁H₂₁BrN₂

261.20

[49519-86](#)

ILT

IL-0298-HP

99%

25 g

[49519-87](#)

ILT

IL-0298-HP

99%

100 g

1-Heptyl-3-methylimidazolium hexafluorophosphate



357915-04-9

C₁₁H₂₁F₆N₂P

326.26

[49520-06](#)

ILT

IL-0307-HP

> 99%

25 g

[49520-07](#)

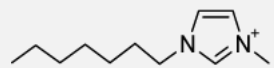
ILT

IL-0307-HP

> 99%

100 g

1-Heptyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide



425382-14-5

C₁₃H₂₁F₆N₃O₄S₂

461.45

[49519-92](#)

ILT

IL-0301-HP

> 99%

25 g

[49519-93](#)

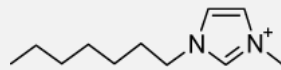
ILT

IL-0301-HP

> 99%

100 g

1-Heptyl-3-methylimidazolium tetrafluoroborate



244193-51-9

C₁₁H₂₁BF₄N₂

268.11

[49520-00](#)

ILT

IL-0304-HP

> 99%

25 g

[49520-01](#)

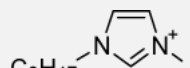
ILT

IL-0304-HP

> 99%

100 g

1-Methyl-3-octylimidazolium chloride



< 25 °C

3690 cP (35 °C)

d 1.01 (24 °C)

0.091 mS/cm (30 °C)

64697-40-1

C₁₂H₂₃ClN₂

230.78

[49514-89](#)

ILT

IL-0072-HP

99%

25 g

[49514-90](#)

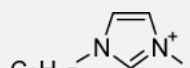
ILT

IL-0072-HP

99%

100 g

1-Methyl-3-octylimidazolium bromide



6604 cP (25 °C)

d 1.17 (24 °C)

0.063 mS/cm (30 °C)

61545-99-1

C₁₂H₂₃BrN₂

275.23

[49514-87](#)

ILT

IL-0071-HP

99%

25 g

[49514-88](#)

ILT

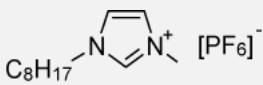
IL-0071-HP

99%

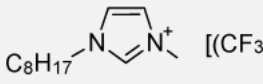
100 g

イミダゾリウム系

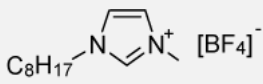
1-Methyl-3-octylimidazolium hexafluorophosphate

	304680-36-2	49514-91	ILT	IL-0020-HP	99%	25 g
	C ₁₂ H ₂₃ F ₆ N ₂ P	49514-92	ILT	IL-0020-HP	99%	100 g
	340.29	35676-2A	TFS	35676-0050	> 98%	5 g
		35676-1A	TFS	35676-0250	> 98%	25 g
608 cP (25 °C) d 1.24 (24 °C) 0.44 mS/cm (30 °C)						

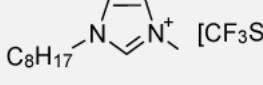
1-Methyl-3-octylimidazolium bis(trifluoromethylsulfonyl)imide

	178631-04-4	49514-85	ILT	IL-0099-HP	99%	25 g
	C ₁₄ H ₂₃ F ₆ N ₃ O ₄ S ₂	49514-86	ILT	IL-0099-HP	99%	100 g
	475.48					
87 cP (25 °C) d 1.32 (25.5 °C) 1.00 mS/cm (20 °C)						

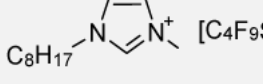
1-Methyl-3-octylimidazolium tetrafluoroborate

	244193-52-0	49514-93	ILT	IL-0021-HP	99%	25 g
	C ₁₂ H ₂₃ BF ₄ N ₂	49514-94	ILT	IL-0021-HP	99%	100 g
	282.13					
232 cP (25 °C) d 1.11 (19 °C) 1.27 mS/cm (30 °C)						

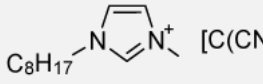
1-Methyl-3-octylimidazolium triflate

	403842-84-2	49514-95	ILT	IL-0073-HP	99%	25 g
	C ₁₃ H ₂₃ F ₃ N ₂ O ₃ S	49514-96	ILT	IL-0073-HP	99%	100 g
	344.40					
-20 °C 226 cP (25 °C) d 1.20 (25 °C) 0.58 mS/cm (24 °C)						

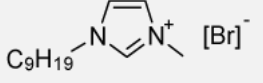
1-Methyl-3-octylimidazolium perfluorobutanesulfonate

	905972-83-0	49520-16	ILT	IL-0312-HP	> 99%	25 g
	C ₁₆ H ₂₃ F ₉ N ₂ O ₃ S	49520-17	ILT	IL-0312-HP	> 99%	100 g
	494.42					

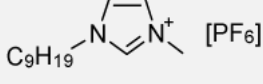
1-Methyl-3-octylimidazolium tricyanomethanide

	1203710-60-4	49527-53	ILT	IL-0332-HP	98%	25 g
	C ₁₆ H ₂₃ N ₅	49527-54	ILT	IL-0332-HP	98%	100 g
	285.39					

1-Methyl-3-nonylimidazolium bromide

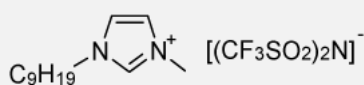
	343851-34-3	49519-88	ILT	IL-0299-HP	> 99%	25 g
	C ₁₃ H ₂₅ BrN ₂	49519-89	ILT	IL-0299-HP	> 99%	100 g
	289.26					

1-Methyl-3-nonylimidazolium hexafluorophosphate

	343952-29-4	49520-08	ILT	IL-0308-HP	> 99%	25 g
	C ₁₃ H ₂₅ F ₆ N ₂ P	49520-09	ILT	IL-0308-HP	> 99%	100 g
	354.32					

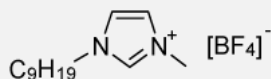
イミダゾリウム系

1-Methyl-3-nonylimidazolium bis(trifluoromethylsulfonyl)imide



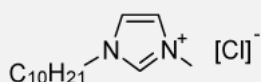
433337-21-4	49519-94	ILT	IL-0302-HP	> 99%	25 g
C ₁₅ H ₂₅ F ₆ N ₃ O ₄ S ₂	49519-95	ILT	IL-0302-HP	> 99%	100 g
489.50					

1-Methyl-3-nonylimidazolium tetrafluoroborate



244193-55-3	49520-02	ILT	IL-0305-HP	> 99%	25 g
C ₁₃ H ₂₅ BF ₄ N ₂	49520-03	ILT	IL-0305-HP	> 99%	100 g
296.16					

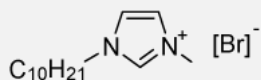
1-Decyl-3-methylimidazolium chloride



> 25 °C 8570 cP (35 °C) d 0.99 (25 °C) 0.019 mS/cm (30 °C)

171058-18-7	49515-03	ILT	IL-0065-HP	> 98%	25 g
C ₁₄ H ₂₇ ClN ₂	49515-04	ILT	IL-0065-HP	> 98%	100 g
258.83					

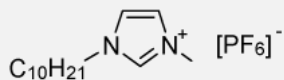
1-Decyl-3-methylimidazolium bromide



18020 cP (18 °C) d 1.13 (25 °C) 0.072 mS/cm (30 °C)

188589-32-4	49515-01	ILT	IL-0064-HP	> 98%	25 g
C ₁₄ H ₂₇ BrN ₂	49515-02	ILT	IL-0064-HP	> 98%	100 g
303.28					

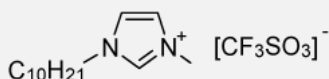
1-Decyl-3-methylimidazolium hexafluorophosphate



30-35 °C

362043-46-7	49515-05	ILT	IL-0066-HP	> 98%	25 g
C ₁₄ H ₂₇ F ₆ N ₂ P	49515-06	ILT	IL-0066-HP	> 98%	100 g
368.34					

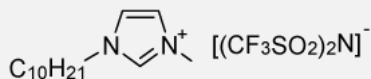
1-Decyl-3-methylimidazolium triflate



298 cP (25 °C) d 1.15 (26 °C) 0.41 mS/cm (24 °C)

412009-62-2	49515-09	ILT	IL-0068-HP	99%	25 g
C ₁₅ H ₂₇ F ₃ N ₂ O ₃ S	49515-10	ILT	IL-0068-HP	99%	100 g
372.45					

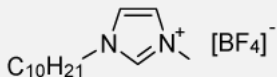
1-Decyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide



113 cP (25 °C) d 1.27 (30 °C) 0.76 mS/cm (24 °C)

433337-23-6	49514-97	ILT	IL-0100-HP	> 98%	25 g
C ₁₆ H ₂₇ F ₆ N ₃ O ₄ S ₂	49515-00	ILT	IL-0100-HP	> 98%	100 g
503.53					

1-Decyl-3-methylimidazolium tetrafluoroborate

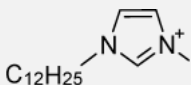


-4 °C 721 cP (18 °C) d 1.07 (20 °C)

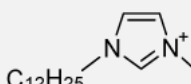
244193-56-4	49515-07	ILT	IL-0067-HP	> 98%	25 g
C ₁₄ H ₂₇ BF ₄ N ₂	49515-08	ILT	IL-0067-HP	> 98%	100 g
310.19					

イミダゾリウム系

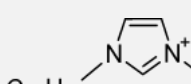
1-Dodecyl-3-methylimidazolium chloride

 $\text{C}_{12}\text{H}_{25}$ 150 °C	114569-84-5	49515-15	ILT	IL-0120-HP	> 98%	25 g
	$\text{C}_{16}\text{H}_{31}\text{ClN}_2$ 286.88	49515-16	ILT	IL-0120-HP	> 98%	100 g

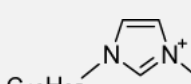
1-Dodecyl-3-methylimidazolium bromide

 $\text{C}_{12}\text{H}_{25}$ 112 °C	61546-00-7	49515-13	ILT	IL-0119-HP	> 98%	25 g
	$\text{C}_{16}\text{H}_{31}\text{BrN}_2$ 331.33	49515-14	ILT	IL-0119-HP	> 98%	100 g

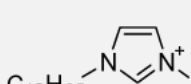
1-Dodecyl-3-methylimidazolium iodide

 $\text{C}_{12}\text{H}_{25}$ 40 °C	81995-09-7	49515-19	ILT	IL-0136-HP	> 98%	25 g
	$\text{C}_{16}\text{H}_{31}\text{IN}_2$ 378.34	49515-20	ILT	IL-0136-HP	> 98%	100 g

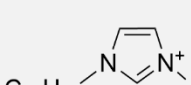
1-Dodecyl-3-methylimidazolium hexafluorophosphate

 $\text{C}_{12}\text{H}_{25}$ 60 °C	219947-93-0	49515-17	ILT	IL-0095-HP	> 98%	25 g
	$\text{C}_{16}\text{H}_{31}\text{F}_6\text{N}_2\text{P}$ 396.39	49515-18	ILT	IL-0095-HP	> 98%	100 g

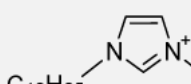
1-Dodecyl-3-methylimidazolium bis(2,4,4-trimethylpentyl)phosphinate

 $\text{C}_{12}\text{H}_{25}$	$\text{C}_{32}\text{H}_{65}\text{N}_2\text{O}_2\text{P}$ 540.84	49529-19	ILT	IL-0334-HP	98%	25 g

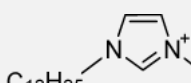
1-Dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide

 $\text{C}_{12}\text{H}_{25}$ 136 cP (25 °C) d 1.25 (22 °C) 0.82 mS/cm (30 °C)	404001-48-5	49515-11	ILT	IL-0101-HP	> 98%	25 g
	$\text{C}_{18}\text{H}_{31}\text{F}_6\text{N}_3\text{O}_4\text{S}_2$ 531.58	49515-12	ILT	IL-0101-HP	> 98%	100 g

1-Dodecyl-3-methylimidazolium tetrafluoroborate

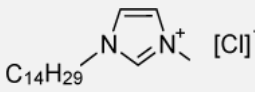
 $\text{C}_{12}\text{H}_{25}$ 26 °C	244193-59-7	49515-21	ILT	IL-0132-HP	> 98%	25 g
	$\text{C}_{16}\text{H}_{31}\text{BF}_4\text{N}_2$ 338.24	49515-22	ILT	IL-0132-HP	> 98%	100 g

1-Dodecyl-3-methylimidazolium triflate

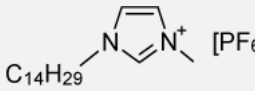
 $\text{C}_{12}\text{H}_{25}$ 47 °C	404001-52-1	49515-23	ILT	IL-0133-HP	99%	25 g
	$\text{C}_{17}\text{H}_{31}\text{F}_3\text{N}_2\text{O}_3\text{S}$ 400.50	49515-24	ILT	IL-0133-HP	99%	100 g

イミダゾリウム系

1-Methyl-3-tetradecylimidazolium chloride

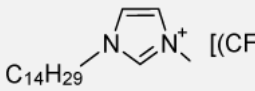
	171058-21-2	49515-27	ILT	IL-0141-HP	> 98%	25 g
	C ₁₈ H ₃₅ ClN ₂	49515-28	ILT	IL-0141-HP	> 98%	100 g
	314.94					

1-Methyl-3-tetradecylimidazolium hexafluorophosphate

	219947-94-1	49515-30	ILT	IL-0157-HP	> 98%	25 g
	C ₁₈ H ₃₅ F ₆ N ₂ P	49515-31	ILT	IL-0157-HP	> 98%	100 g
	424.45					

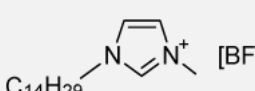
69 °C

1-Methyl-3-tetradecylimidazolium bis(trifluoromethylsulfonyl)imide

	404001-49-6	49515-25	ILT	IL-0102-HP	> 98%	25 g
	C ₂₀ H ₃₅ F ₆ N ₃ O ₄ S ₂	49515-26	ILT	IL-0102-HP	> 98%	100 g
	559.64					

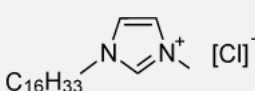
38 °C

1-Methyl-3-tetradecylimidazolium tetrafluoroborate

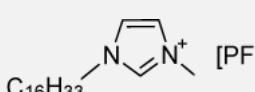
	244193-61-1	49519-17	ILT	IL-0256-HP	> 98%	25 g
	C ₁₈ H ₃₅ BF ₄ N ₂	49519-18	ILT	IL-0256-HP	> 98%	100 g
	366.29					

37 °C

1-Hexadecyl-3-methylimidazolium chloride

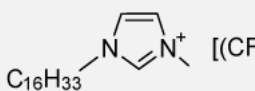
	61546-01-8	49515-34	ILT	IL-0115-HP	> 98%	25 g
	C ₂₀ H ₃₉ ClN ₂	49515-35	ILT	IL-0115-HP	> 98%	100 g
	342.99	35665-1A	TFS	35665-0100	> 97.5%	10 g

1-Hexadecyl-3-methylimidazolium hexafluorophosphate

	219947-95-2	49515-36	ILT	IL-0158-HP	> 98%	25 g
	C ₂₀ H ₃₉ F ₆ N ₂ P	49515-37	ILT	IL-0158-HP	> 98%	100 g
	452.50					

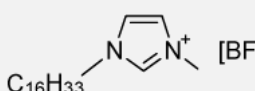
125 °C

1-Hexadecyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide

	404001-50-9	49515-32	ILT	IL-0103-HP	> 98%	25 g
	C ₂₂ H ₃₉ F ₆ N ₃ O ₄ S ₂	49515-33	ILT	IL-0103-HP	> 98%	100 g
	587.69					

49 °C

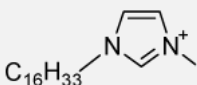
1-Hexadecyl-3-methylimidazolium tetrafluoroborate

	244193-64-4	49515-38	ILT	IL-0097-HP	> 98%	25 g
	C ₂₀ H ₃₉ BF ₄ N ₂	49515-39	ILT	IL-0097-HP	> 98%	100 g
	394.34					

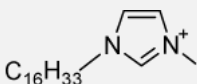
55 °C

イミダゾリウム系

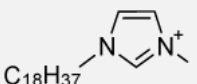
1-Hexadecyl-3-methylimidazolium dicyanamide

 $\text{C}_{16}\text{H}_{33}\text{N}_2^+ [\text{N}(\text{CN})_2]^-$	$\text{C}_{22}\text{H}_{39}\text{N}_5$ 373.58	49529-21	ILT	IL-0336-HP	> 98%	25 g

1-Hexadecyl-3-methylimidazolium tricyanomethanide

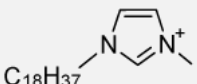
 $\text{C}_{16}\text{H}_{33}\text{N}_2^+ [\text{C}(\text{CN})_3]^-$	$\text{C}_{24}\text{H}_{39}\text{N}_5$ 397.60	49529-22	ILT	IL-0337-HP	> 98%	25 g

1-Methyl-3-octadecylimidazolium chloride

 $\text{C}_{18}\text{H}_{37}\text{N}_2^+ [\text{Cl}]^-$	171058-19-8 $\text{C}_{22}\text{H}_{43}\text{ClN}_2$ 371.04	49515-40	ILT	IL-0160-HP	> 98%	25 g
		49515-41	ILT	IL-0160-HP	> 98%	100 g

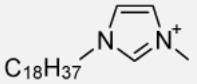
210 °C

1-Methyl-3-octadecylimidazolium hexafluorophosphate

 $\text{C}_{18}\text{H}_{37}\text{N}_2^+ [\text{PF}_6]^-$	219947-96-3 $\text{C}_{22}\text{H}_{43}\text{F}_6\text{N}_2\text{P}$ 480.55	49515-42	ILT	IL-0159-HP	> 98%	25 g
		49515-43	ILT	IL-0159-HP	> 98%	100 g

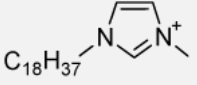
88 °C

1-Methyl-3-octadecylimidazolium bis(trifluoromethylsulfonyl)imide

 $\text{C}_{18}\text{H}_{37}\text{N}_2^+ [(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	404001-51-0 $\text{C}_{24}\text{H}_{43}\text{F}_6\text{N}_3\text{O}_4\text{S}_2$ 615.74	49518-35	ILT	IL-0200-HP	> 98%	25 g
		49518-36	ILT	IL-0200-HP	> 98%	100 g

55-60 °C

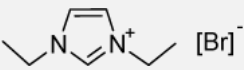
1-Methyl-3-octadecylimidazolium tetrafluoroborate

 $\text{C}_{18}\text{H}_{37}\text{N}_2^+ [\text{BF}_4]^-$	244193-65-5 $\text{C}_{22}\text{H}_{43}\text{BF}_4\text{N}_2$ 422.40	49528-33	ILT	IL-0210-HP	> 98%	25 g

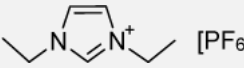
イミダゾリウム系

1-Alkyl-3-ethylimidazolium

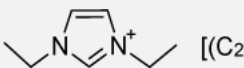
1,3-Diethylimidazolium bromide

	54304-66-4	49519-54	ILT	IL-0279-HP	98%	25 g
	C ₇ H ₁₃ BrN ₂	49519-55	ILT	IL-0279-HP	98%	100 g
	205.10					

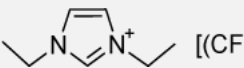
1,3-Diethylimidazolium hexafluorophosphate

	370085-15-7	49519-58	ILT	IL-0281-HP	98%	25 g
	C ₇ H ₁₃ F ₆ N ₂ P	49519-59	ILT	IL-0281-HP	98%	100 g
	270.16					

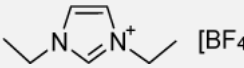
1,3-Diethylimidazolium diethylphosphate

	945406-32-6	49518-93	ILT	IL-0245-HP	>98%	25 g
	C ₁₁ H ₂₃ N ₂ O ₄ P	49518-94	ILT	IL-0245-HP	>98%	100 g
	278.29					
280 cP (25 °C) d 1.12 (24 °C) 0.97 mS/cm (30 °C)						

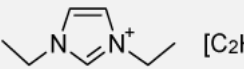
1,3-Diethylimidazolium bis(trifluoromethylsulfonyl)imide

	174899-88-8	49518-31	ILT	IL-0188-HP	98%	25 g
	C ₉ H ₁₃ F ₆ N ₃ O ₄ S ₂	49518-32	ILT	IL-0188-HP	98%	100 g
	405.34					
14 °C 28 cP (25 °C) d 1.48 (22 °C) 7.27 mS/cm (20 °C)						

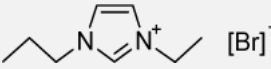
1,3-Diethylimidazolium tetrafluoroborate

	847335-65-3	49519-56	ILT	IL-0280-HP	98%	25 g
	C ₇ H ₁₃ BF ₄ N ₂	49519-57	ILT	IL-0280-HP	98%	100 g
	212.00					

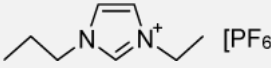
1,3-Diethylimidazolium ethylsulfate

	516474-04-7	49518-91	ILT	IL-0244-HP	98%	25 g
	C ₉ H ₁₈ N ₂ O ₄ S	49518-92	ILT	IL-0244-HP	98%	100 g
	250.32					
94 cP (25 °C) d 1.21 (22 °C)						

1-Ethyl-3-propylimidazolium bromide

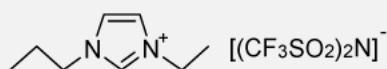
	637348-59-5	49519-60	ILT	IL-0282-HP	98%	25 g
	C ₈ H ₁₅ BrN ₂	49519-61	ILT	IL-0282-HP	98%	100 g
	219.12					

1-Ethyl-3-propylimidazolium hexafluorophosphate

	1770850-03-7	49519-64	ILT	IL-0284-HP	98%	25 g
	C ₈ H ₁₅ F ₆ N ₂ P	49519-65	ILT	IL-0284-HP	98%	100 g
	284.18					

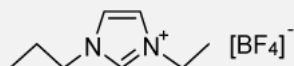
イミダゾリウム系

1-Ethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide



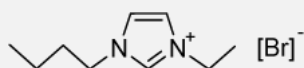
347882-21-7	49519-66	ILT	IL-0285-HP	98%	25 g
C ₁₀ H ₁₅ F ₆ N ₃ O ₄ S ₂	49519-67	ILT	IL-0285-HP	98%	100 g
419.37					

1-Ethyl-3-propylimidazolium tetrafluoroborate



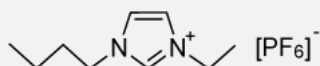
1434759-73-5	49519-62	ILT	IL-0283-HP	98%	25 g
C ₈ H ₁₅ BF ₄ N ₂	49519-63	ILT	IL-0283-HP	98%	100 g
226.03					

1-Butyl-3-ethylimidazolium bromide



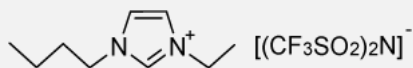
174899-64-0	49519-68	ILT	IL-0286-HP	98%	25 g
C ₉ H ₁₇ BrN ₂	49519-69	ILT	IL-0286-HP	98%	100 g
223.15					

1-Butyl-3-ethylimidazolium hexafluorophosphate



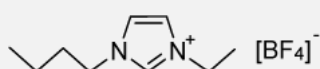
256647-89-9	49519-72	ILT	IL-0288-HP	98%	25 g
C ₉ H ₁₇ F ₆ N ₂ P	49519-73	ILT	IL-0288-HP	98%	100 g
298.21					

1-Butyl-3-ethylimidazolium bis(trifluoromethylsulfonyl)imide



174899-89-9	49519-74	ILT	IL-0289-HP	98%	25 g
C ₁₁ H ₁₇ F ₆ N ₃ O ₄ S ₂	49519-75	ILT	IL-0289-HP	98%	100 g
433.40					

1-Butyl-3-ethylimidazolium tetrafluoroborate



37 cP (25 °C)

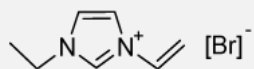
6.06 mS/cm (30 °C)

581101-91-9	49519-70	ILT	IL-0287-HP	98%	25 g
C ₉ H ₁₇ BF ₄ N ₂	49519-71	ILT	IL-0287-HP	98%	100 g
240.05					

イミダゾリウム系

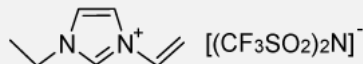
1-Alkyl-3-vinylimidazolium

1-Ethyl-3-vinylimidazolium bromide



34311-88-1	49519-76	ILT	IL-0290-HP	98%	25 g
C ₇ H ₁₁ BrN ₂	49519-77	ILT	IL-0290-HP	98%	100 g
203.08					

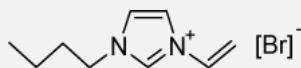
1-Ethyl-3-vinylimidazolium bis(trifluoromethylsulfonyl)imide



47 cP (25 °C) d 1.50 (26.5 °C) 2.69 mS/cm (25 °C)

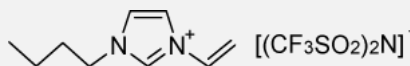
204854-22-8	49519-78	ILT	IL-0291-HP	98%	25 g
C ₉ H ₁₁ F ₆ N ₃ O ₄ S ₂	49519-79	ILT	IL-0291-HP	98%	100 g
403.33					

1-Butyl-3-vinylimidazolium bromide



34311-90-5	49519-80	ILT	IL-0292-HP	98%	25 g
C ₉ H ₁₅ BrN ₂	49519-81	ILT	IL-0292-HP	98%	100 g
231.13					

1-Butyl-3-vinylimidazolium bis(trifluoromethylsulfonyl)imide



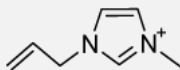
77 cP (25 °C) d 1.42 (25 °C) 1.41 mS/cm (25 °C)

758716-72-2	49519-82	ILT	IL-0293-HP	98%	25 g
C ₁₁ H ₁₅ F ₆ N ₃ O ₄ S ₂	49519-83	ILT	IL-0293-HP	98%	100 g
431.38					

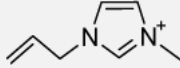
イミダゾリウム系

1-Alkyl-3-allylimidazolium

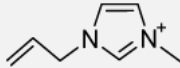
1-Allyl-3-methylimidazolium chloride

	65039-10-3	49515-44	ILT	IL-0022-HP	>98%	25 g
	C ₇ H ₁₁ ClN ₂ 158.63	49515-45	ILT	IL-0022-HP	>98%	100 g
47 °C						

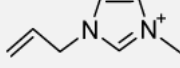
1-Allyl-3-methylimidazolium bromide

	31410-07-8	01986-55	素材研究用			5 g
	C ₇ H ₁₁ BrN ₂ 203.08	01986-35	素材研究用			25 g
58 °C	1.60 mS/cm					

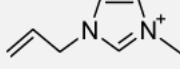
1-Allyl-3-methylimidazolium iodide

	65039-07-8	01120-35	素材研究用			25 g
	C ₇ H ₁₁ IN ₂ 250.08	01120-25	素材研究用			100 g
		49518-57	ILT	IL-0231-HP	>98%	25 g
		49518-58	ILT	IL-0231-HP	>98%	100 g
57 °C						

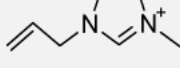
1-Allyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide

	655249-87-9	01988-55	素材研究用			5 mL
	C ₉ H ₁₁ F ₆ N ₃ O ₄ S ₂ 403.33	01988-35	素材研究用			25 mL
		01988-15	素材研究用			250 mL
		49518-81	ILT	IL-0239-HP	99%	25 g
		49518-82	ILT	IL-0239-HP	99%	100 g
35 cP (25 °C)	d 1.49 (29 °C)	8.87 mS/cm (30 °C)				

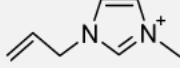
1-Allyl-3-methylimidazolium tetrafluoroborate

	851606-63-8	01987-55	素材研究用			5 mL
	C ₇ H ₁₁ BF ₄ N ₂ 209.98	01987-35	素材研究用			25 mL
		01987-15	素材研究用			250 mL

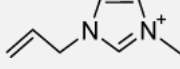
1-Allyl-3-methylimidazolium dicyanamide

	917956-73-1	49518-83	ILT	IL-0240-HP	>98%	25 g
	C ₉ H ₁₁ N ₅ 189.22	49518-84	ILT	IL-0240-HP	>98%	100 g
18 cP (25 °C)	d 1.11 (24 °C)	17.0 mS/cm (30 °C)				

1-Allyl-3-ethylimidazolium bromide

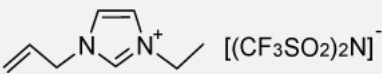
	652134-09-3	01930-55	素材研究用			5 g
	C ₈ H ₁₃ BrN ₂ 217.11	01930-35	素材研究用			25 g
55 °C						

1-Allyl-3-ethylimidazolium iodide

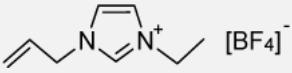
	920981-07-3	01119-35	素材研究用			25 mL
	C ₈ H ₁₃ IN ₂ 264.11	01119-25	素材研究用			100 mL

イミダゾリウム系

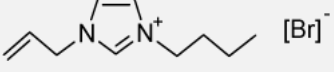
1-Allyl-3-ethylimidazolium bis(trifluoromethanesulfonyl)imide

 31 cP (25 °C) d 1.45	652134-11-7	01932-55	素材研究用	5 mL
	C ₁₀ H ₁₃ F ₆ N ₃ O ₄ S ₂	01932-35	素材研究用	25 mL
	417.35	01932-15	素材研究用	250 mL

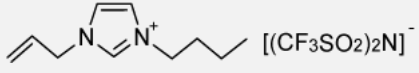
1-Allyl-3-ethylimidazolium tetrafluoroborate

	945732-42-3	01931-55	素材研究用	5 mL
	C ₈ H ₁₃ BF ₄ N ₂	01931-35	素材研究用	25 mL
	224.01	01931-15	素材研究用	250 mL

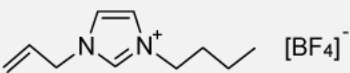
1-Allyl-3-butylimidazolium bromide

 d 1.24 0.50 mS/cm	863498-30-0	01933-55	素材研究用	5 mL
	C ₁₀ H ₁₇ BrN ₂	01933-35	素材研究用	25 mL
	245.16	01933-15	素材研究用	250 mL

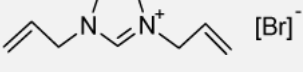
1-Allyl-3-butylimidazolium bis(trifluoromethanesulfonyl)imide

 46 cP (25 °C) d 1.38 1.53 mS/cm	863498-34-4	01935-55	素材研究用	5 mL
	C ₁₂ H ₁₇ F ₆ N ₃ O ₄ S ₂	01935-35	素材研究用	25 mL
	445.41	01935-15	素材研究用	250 mL

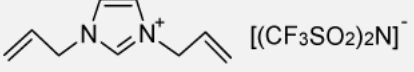
1-Allyl-3-butylimidazolium tetrafluoroborate

 1.22 mS/cm	863498-32-2	01934-55	素材研究用	5 mL
	C ₁₀ H ₁₇ BF ₄ N ₂	01934-35	素材研究用	25 mL
	252.06	01934-15	素材研究用	250 mL

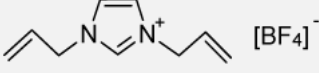
1,3-Diallylimidazolium bromide

 827 cP (25 °C) d 1.32 0.74 mS/cm	31483-71-3	11475-55	素材研究用	5 mL
	C ₉ H ₁₃ BrN ₂	11475-35	素材研究用	25 mL
	229.12	11475-15	素材研究用	250 mL

1,3-Diallylimidazolium bis(trifluoromethanesulfonyl)imide

 31 cP (27 °C) d 1.43 2.63 mS/cm	803732-17-4	11477-55	素材研究用	5 mL
	C ₁₁ H ₁₃ F ₆ N ₃ O ₄ S ₂	11477-35	素材研究用	25 mL
	429.36	11477-15	素材研究用	250 mL

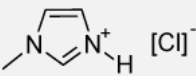
1,3-Diallylimidazolium tetrafluoroborate

 2.44 mS/cm	852699-06-0	11476-55	素材研究用	5 mL
	C ₉ H ₁₃ BF ₄ N ₂	11476-35	素材研究用	25 mL
	236.02	11476-15	素材研究用	250 mL

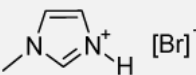
イミダゾリウム系

Imidazolium【Others】

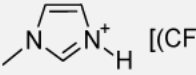
1-Methylimidazolium chloride

	35487-17-3	49518-15	ILT	IL-0094-SG	98%	25 g
	C ₄ H ₇ ClN ₂	49518-16	ILT	IL-0094-SG	98%	100 g
	118.56					

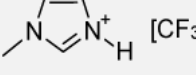
1-Methylimidazolium bromide

	101023-58-9	49519-36	ILT	IL-0267-SG	98%	25 g
	C ₄ H ₇ BrN ₂	49519-37	ILT	IL-0267-SG	98%	100 g
	163.02					

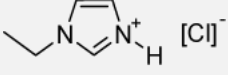
1-Methylimidazolium bis(trifluoromethylsulfonyl)imide

	353239-08-4	49519-27	ILT	IL-0261-SG	98%	25 g
	C ₆ H ₇ F ₆ N ₃ O ₄ S ₂	49519-28	ILT	IL-0261-SG	98%	100 g
	363.26	49210-02	SOLVI	IM0008B50	99.5%	50 g
	49 °C					

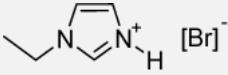
1-Methylimidazolium trifluoromethanesulfonate

	99257-94-0	49519-32	ILT	IL-0263-SG	98%	25 g
	C ₅ H ₇ F ₃ N ₂ O ₃ S	49519-33	ILT	IL-0263-SG	98%	100 g
	232.18					

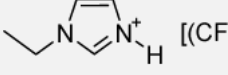
1-Ethylimidazolium chloride

	81505-35-3	49519-46	ILT	IL-0275-SG	98%	25 g
	C ₅ H ₉ ClN ₂	49519-47	ILT	IL-0275-SG	98%	100 g
	132.59					

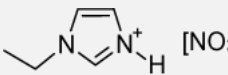
1-Ethylimidazolium bromide

	501693-36-3	49519-48	ILT	IL-0276-SG	98%	25 g
	C ₅ H ₉ BrN ₂	49519-49	ILT	IL-0276-SG	98%	100 g
	177.04					

1-Ethylimidazolium bis(trifluoromethylsulfonyl)imide

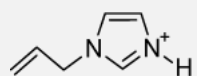
	353239-10-8	49519-38	ILT	IL-0269-SG	98%	25 g
	C ₇ H ₉ F ₆ N ₃ O ₄ S ₂	49519-39	ILT	IL-0269-SG	98%	100 g
	377.29					

1-Ethylimidazolium nitrate

	501693-38-5	49519-44	ILT	IL-0272-SG	98%	25 g
	C ₅ H ₉ N ₃ O ₃	49519-45	ILT	IL-0272-SG	98%	100 g
	159.14					

イミダゾリウム系

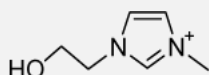
1-Allyl-3H-imidazolium bis(trifluoromethanesulfonyl)imide



C₈H₉F₆O₄S₂N₃
389.30

[49210-00](#) SOLVI IM2308C50 99% 50 g

1-(2-Hydroxyethyl)-3-methylimidazolium chloride



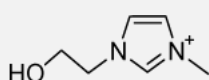
61755-34-8
C₆H₁₁ClN₂O
162.62

[49515-48](#) ILT IL-0039-HP 99% 25 g

[49515-49](#) ILT IL-0039-HP 99% 100 g

83 °C

1-(2-Hydroxyethyl)-3-methylimidazolium bis(trifluoromethylsulfonyl)imide



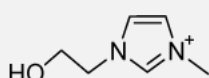
174899-86-6
C₈H₁₁F₆N₃O₅S₂
407.32

[49527-65](#) ILT IL-0194-HP 99% 25 g

[49527-66](#) ILT IL-0194-HP 99% 100 g

[49210-01](#) SOLVI IM2008B50 99.5% 50 g

1-(2-Hydroxyethyl)-3-methylimidazolium tetrafluoroborate



374564-83-7
C₆H₁₁BF₄N₂O
213.97

[49515-50](#) ILT IL-0038-HP > 98% 25 g

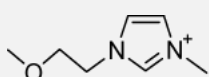
[49515-51](#) ILT IL-0038-HP > 98% 100 g

137 cP (20 °C)

d 1.34 (22 °C)

3.42 mS/cm (20 °C)

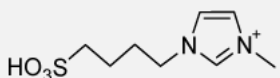
1-(2-Methoxyethyl)-3-methylimidazolium bis(trifluoromethylsulfonyl)imide



178631-01-1
C₉H₁₃F₆N₃O₅S₂
421.34

[49529-18](#) ILT IL-0333-HP 99% 25 g

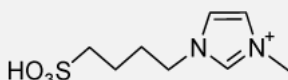
1-(4-Sulfobutyl)-3-methylimidazolium bis(trifluoromethanesulfonyl)imide



909390-59-6
C₁₀H₁₅F₆O₇S₃N₃
499.44

[49210-04](#) SOLVI IMSF1808C10 98% 10 g

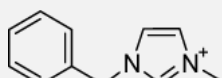
1-(4-Sulfobutyl)-3-methylimidazolium trifluoromethanesulfonate



657414-80-7
C₉H₁₅F₃O₆S₂N₂
368.36

[49210-10](#) SOLVI IMSF1705C10 98% 10 g

1-Benzyl-3-methylimidazolium chloride



36443-80-8
C₁₁H₁₃ClN₂
208.69

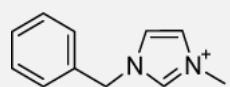
[49515-46](#) ILT IL-0140-HP 99% 25 g

[49515-47](#) ILT IL-0140-HP 99% 100 g

70-82 °C

イミダゾリウム系

1-Benzyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide



433337-24-7

C₁₃H₁₃F₆N₃O₄S₂

453.39

[49518-85](#)

ILT

IL-0241-HP

99%

25 g

[49518-86](#)

ILT

IL-0241-HP

99%

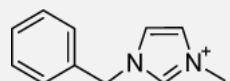
100 g

153 cP (25 °C)

d 1.49 (25 °C)

1.77 mS/cm (30 °C)

1-Benzyl-3-methylimidazolium tetrafluoroborate



500996-04-3

C₁₁H₁₃BF₄N

246.03

[49528-28](#)

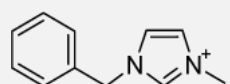
ILT

IL-0193-HP

99%

25 g

1-Benzyl-3-methylimidazolium hexafluorophosphate



433337-11-2

C₁₁H₁₃F₆N₂P

318.20

[49528-26](#)

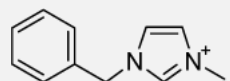
ILT

IL-0187-HP

99%

25 g

1-Benzyl-3-methylimidazolium dicyanamide



958445-60-8

C₁₃H₁₃N₅

239.28

[49518-87](#)

ILT

IL-0242-HP

> 98%

25 g

[49518-88](#)

ILT

IL-0242-HP

> 98%

100 g

79 cP (25 °C)

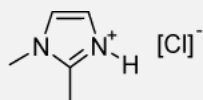
d 1.16 (24 °C)

2.95 mS/cm (30 °C)

イミダゾリウム系

1,2,3-Alkylimidazolium

1,2-Dimethylimidazolium chloride



34531-53-8

C₅H₉ClN₂

132.59

[49519-50](#)

ILT

IL-0277-SG

98%

25 g

[49519-51](#)

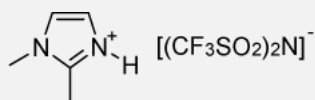
ILT

IL-0277-SG

98%

100 g

1,2-Dimethylimidazolium bis(trifluoromethylsulfonyl)imide



106 cP (25 °C)

353239-12-0

C₇H₉F₆N₃O₄S₂

377.29

[49519-52](#)

ILT

IL-0278-SG

98%

25 g

[49519-53](#)

ILT

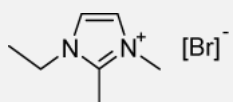
IL-0278-SG

98%

100 g

1.08 mS/cm (25 °C)

1-Ethyl-2,3-dimethylimidazolium bromide



140 °C

98892-76-3

C₇H₁₃BrN₂

205.10

[49515-54](#)

ILT

IL-0135-HP

99%

25 g

[49515-55](#)

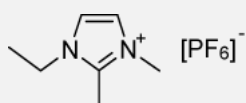
ILT

IL-0135-HP

99%

100 g

1-Ethyl-2,3-dimethylimidazolium hexafluorophosphate



> 300 °C

292140-86-4

C₇H₁₃F₆N₂P

270.16

[49515-56](#)

ILT

IL-0139-HP

99%

25 g

[49515-57](#)

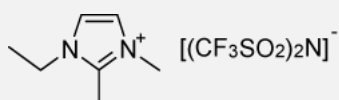
ILT

IL-0139-HP

99%

100 g

1-Ethyl-2,3-dimethylimidazolium bis(trifluoromethylsulfonyl)imide



25 °C 69 cP (25 °C) d 1.49 (25 °C) 3.18 mS/cm (20 °C)

174899-90-2

C₉H₁₃F₆N₃O₄S₂

405.34

[49515-52](#)

ILT

IL-0106-HP

99%

25 g

[49515-53](#)

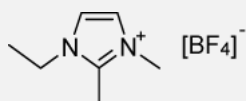
ILT

IL-0106-HP

99%

100 g

1-Ethyl-2,3-dimethylimidazolium tetrafluoroborate



104 °C

307492-75-7

C₇H₁₃BF₄N₂

212.00

[49515-58](#)

ILT

IL-0001-HP

> 98%

25 g

[49515-59](#)

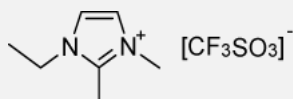
ILT

IL-0001-HP

> 98%

100 g

1-Ethyl-2,3-dimethylimidazolium triflate



105 °C

174899-72-0

C₈H₁₃F₃N₂O₃S

274.26

[49515-60](#)

ILT

IL-0002-HP

99%

25 g

[49515-61](#)

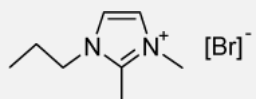
ILT

IL-0002-HP

99%

100 g

1,2-Dimethyl-3-propylimidazolium bromide



120 °C

107937-17-7

C₈H₁₅BrN₂

219.12

[49518-55](#)

ILT

IL-0229-HP

99%

25 g

[49518-56](#)

ILT

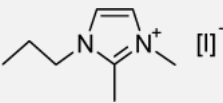
IL-0229-HP

99%

100 g

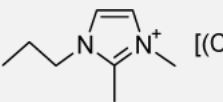
イミダゾリウム系

1,2-Dimethyl-3-propylimidazolium iodide

	218151-78-1	11507-35	素材研究用			25 g
	C ₈ H ₁₅ IN ₂	11507-25	素材研究用			100 g
	266.12	49515-64	ILT	IL-0049-HP	> 98%	25 g
		49515-65	ILT	IL-0049-HP	> 98%	100 g

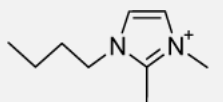
94 °C

1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide

	169051-76-7	49515-62	ILT	IL-0134-HP	99%	25 g
	C ₁₀ H ₁₅ F ₆ N ₃ O ₄ S ₂	49515-63	ILT	IL-0134-HP	99%	100 g

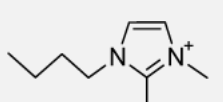
419.37

1-Butyl-2,3-dimethylimidazolium chloride

	98892-75-2	49515-70	ILT	IL-0056-HP	99%	25 g
	C ₉ H ₁₇ ClN ₂	49515-71	ILT	IL-0056-HP	99%	100 g

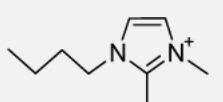
100 °C

1-Butyl-2,3-dimethylimidazolium bromide

	475575-45-2	49515-68	ILT	IL-0055-HP	99%	25 g
	C ₉ H ₁₇ BrN ₂	49515-69	ILT	IL-0055-HP	99%	100 g

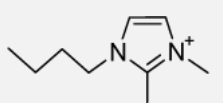
102-106 °C

1-Butyl-2,3-dimethylimidazolium iodide

	108203-70-9	49515-74	ILT	IL-0137-HP	> 98%	25 g
	C ₉ H ₁₇ IN ₂	49515-75	ILT	IL-0137-HP	> 98%	100 g

85 °C

1-Butyl-2,3-dimethylimidazolium hexafluorophosphate

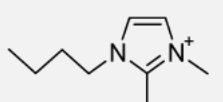
	227617-70-1	49515-72	ILT	IL-0057-HP	99%	25 g
	C ₉ H ₁₇ F ₆ N ₂ P	49515-73	ILT	IL-0057-HP	99%	100 g

43 °C

554 cP (45 °C)

0.76 mS/cm (45 °C)

1-Butyl-2,3-dimethylimidazolium bis(trifluoromethylsulfonyl)imide

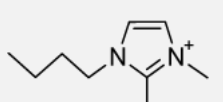
	350493-08-2	49515-66	ILT	IL-0104-HP	99%	25 g
	C ₁₁ H ₁₇ F ₆ N ₃ O ₄ S ₂	49515-67	ILT	IL-0104-HP	99%	100 g

98 cP (25 °C)

d 1.42 (25 °C)

1.67 mS/cm (20 °C)

1-Butyl-2,3-dimethylimidazolium tetrafluoroborate

	402846-78-0	49515-76	ILT	IL-0058-HP	99%	25 g
	C ₉ H ₁₇ N ₂ ·BF ₄	49515-77	ILT	IL-0058-HP	99%	100 g

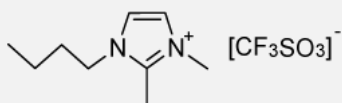
36 °C

173 cP (45 °C)

2.16 mS/cm (45 °C)

イミダゾリウム系

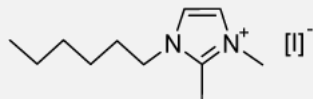
1-Butyl-2,3-dimethylimidazolium triflate



40 °C

765910-73-4	49515-78	ILT	IL-0059-HP	99%	25 g
C ₁₀ H ₁₇ F ₃ N ₂ O ₃ S	49515-79	ILT	IL-0059-HP	99%	100 g
302.32	35683-1A	TFS	35683-0100		10 g

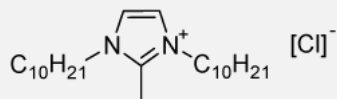
1-Hexyl-2,3-dimethylimidazolium iodide



79 °C

288627-94-1	49518-25	ILT	IL-0138-HP	> 98%	25 g
C ₁₁ H ₂₁ IN ₂	49518-26	ILT	IL-0138-HP	> 98%	100 g
308.20					

1,3-Didecyl-2-methylimidazolium chloride



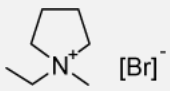
160-165 °C

70862-65-6	49515-80	ILT	IL-0046-HP	> 98%	25 g
C ₂₄ H ₄₇ ClN ₂	49515-81	ILT	IL-0046-HP	> 98%	100 g
399.10					

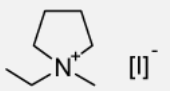
ピロリジニウム系

1-Alkyl-1-methylpyrrolidinium

1-Ethyl-1-methylpyrrolidinium bromide

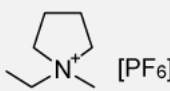
	69227-51-6	49517-23	ILT	IL-0163-HP	99%	25 g
	C ₇ H ₁₆ BrN	49517-24	ILT	IL-0163-HP	99%	100 g
	194.11					

1-Ethyl-1-methylpyrrolidinium iodide

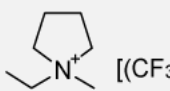
	4186-68-9	49517-27	ILT	IL-0164-HP	>98%	25 g
	C ₇ H ₁₆ I ⁺ N	49517-28	ILT	IL-0164-HP	>98%	100 g
	241.11					

> 300 °C

1-Ethyl-1-methylpyrrolidinium hexafluorophosphate

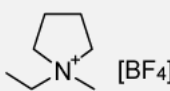
	121057-90-7	49517-25	ILT	IL-0166-HP	99%	25 g
	C ₇ H ₁₆ F ₆ NP	49517-26	ILT	IL-0166-HP	99%	100 g
	259.17					

1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide

	223436-99-5	49517-21	ILT	IL-0167-HP	99%	25 g
	C ₉ H ₁₆ F ₆ N ₂ O ₄ S ₂	49517-22	ILT	IL-0167-HP	99%	100 g
	394.36					

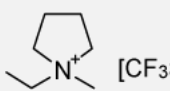
91 °C

1-Ethyl-1-methylpyrrolidinium tetrafluoroborate

	117947-85-0	49517-30	ILT	IL-0165-HP	>98%	25 g
	C ₇ H ₁₆ BF ₄ N	49517-31	ILT	IL-0165-HP	>98%	100 g
	201.02	49528-25	ILT	IL-0165-UP	>99%	25 g

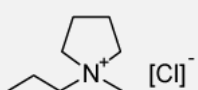
292 °C

1-Ethyl-1-methylpyrrolidinium triflate

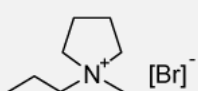
	893443-18-0	49517-32	ILT	IL-0168-HP	99%	25 g
	C ₈ H ₁₆ F ₃ NO ₃ S	49517-33	ILT	IL-0168-HP	99%	100 g
	263.28	49210-11	SOLVI	PYR0205B10	99.5%	10 g

107 °C

1-Methyl-1-propylpyrrolidinium chloride

	528818-82-8	49517-38	ILT	IL-0146-HP	99%	25 g
	C ₈ H ₁₈ ClN	49517-39	ILT	IL-0146-HP	99%	100 g
	163.69					

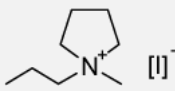
1-Methyl-1-propylpyrrolidinium bromide

	608140-09-6	49517-36	ILT	IL-0145-HP	99%	25 g
	C ₈ H ₁₈ BrN	49517-37	ILT	IL-0145-HP	99%	100 g
	208.14					

210 °C

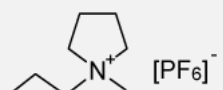
ピロリジニウム系

1-Methyl-1-propylpyrrolidinium iodide

	56511-19-4	49517-42	ILT	IL-0161-HP	>98%	25 g
	C ₈ H ₁₈ IN	49517-43	ILT	IL-0161-HP	>98%	100 g
	255.14					

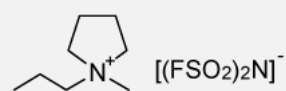
120 °C

1-Methyl-1-propylpyrrolidinium hexafluorophosphate

	327022-58-2	49517-40	ILT	IL-0148-HP	99%	25 g
	C ₈ H ₁₈ F ₆ NP	49517-41	ILT	IL-0148-HP	99%	100 g
	273.20					

112 °C

1-Methyl-1-propylpyrrolidinium bis(fluorosulfonyl)imide

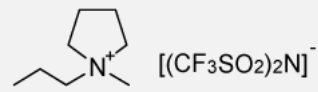
	852620-97-4	25978-35	素材研究用			25 mL
	C ₈ H ₁₈ F ₂ N ₂ O ₄ S ₂					
	308.37					

-10 °C

41 cP (24 °C)

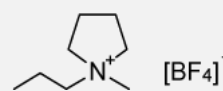
d 1.35 (29 °C)

1-Methyl-1-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide

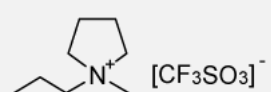
	223437-05-6	26050-55	素材研究用			5 mL
	C ₁₀ H ₁₈ F ₆ N ₂ O ₄ S ₂	26050-35	素材研究用			25 mL
	408.39	49518-08	ILT	IL-0044-UP	99.5%	25 g
		49518-09	ILT	IL-0044-UP	99.5%	100 g
	59 cP (25 °C)	49529-53	ILT	IL-0044-OP	99.5%	25 g
	d 1.43 (29 °C)					

4.92mS/cm (30 °C)

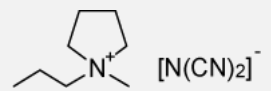
1-Methyl-1-propylpyrrolidinium tetrafluoroborate

	327022-59-3	49528-24	ILT	IL-0147-HP	>98%	25 g
	C ₈ H ₁₈ BF ₄ N					
	215.04					

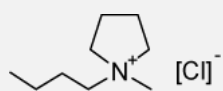
1-Methyl-1-propylpyrrolidinium triflate

	1224852-54-3	49517-44	ILT	IL-0162-HP	99%	25 g
	C ₉ H ₁₈ F ₃ NO ₃ S	49517-45	ILT	IL-0162-HP	99%	100 g
	277.31					

1-Methyl-1-propylpyrrolidinium dicyanamide

	327022-60-6	49519-03	ILT	IL-0249-HP	>98%	25 g
	C ₁₀ H ₁₈ N ₄	49519-04	ILT	IL-0249-HP	>98%	100 g
	194.28					

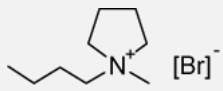
1-Butyl-1-methylpyrrolidinium chloride

	479500-35-1	49517-50	ILT	IL-0075-HP	99%	25 g
	C ₉ H ₂₀ ClN	49517-51	ILT	IL-0075-HP	99%	100 g
	177.71					

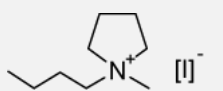
198 °C

ピロリジニウム系

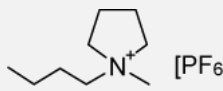
1-Butyl-1-methylpyrrolidinium bromide

	93457-69-3	49517-48	ILT	IL-0074-HP	99%	25 g
	C ₉ H ₂₀ BrN	49517-49	ILT	IL-0074-HP	99%	100 g
	222.17					
216 °C						

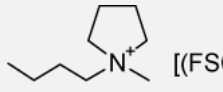
1-Butyl-1-methylpyrrolidinium iodide

	56511-17-2	49517-56	ILT	IL-0050-HP	>98%	25 g
	C ₉ H ₂₀ IN	49517-57	ILT	IL-0050-HP	>98%	100 g
	269.17					
189 °C						

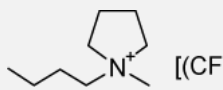
1-Butyl-1-methylpyrrolidinium hexafluorophosphate

	330671-29-9	49517-54	ILT	IL-0076-HP	99%	25 g
	C ₉ H ₂₀ F ₆ NP	49517-55	ILT	IL-0076-HP	99%	100 g
	287.23					
87 °C						

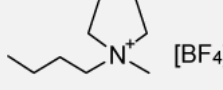
1-Butyl-1-methylpyrrolidinium bis(fluorosulfonyl)imide

	1057745-51-3	05829-35	素材研究用			25 mL
	C ₉ H ₂₀ F ₂ N ₂ O ₄ S ₂	49210-20	SOLVI	PYR0433A	99.9%	50 g
	322.40					

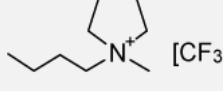
1-Butyl-1-methylpyrrolidinium bis(trifluoromethanesulfonyl)imide

	223437-11-4	26125-53	素材研究用			5 mL
	C ₁₁ H ₂₀ F ₆ N ₂ O ₄ S ₂	26125-33	素材研究用			25 mL
	422.41	49518-04	ILT	IL-0035-UP	99.5%	25 g
		49518-05	ILT	IL-0035-UP	99.5%	100 g
		49529-52	ILT	IL-0035-OP	99.5%	25 g
		49210-19	SOLVI	PYR0408A	99.9%	50 g
-18 °C 72 cP (25 °C) d 1.40 (23 °C) 2.12 mS/cm (20 °C)						

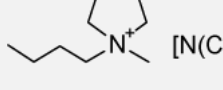
1-Butyl-1-methylpyrrolidinium tetrafluoroborate

	345984-11-4	49517-58	ILT	IL-0077-HP	99%	25 g
	C ₉ H ₂₀ BF ₄ N	49517-59	ILT	IL-0077-HP	99%	100 g
	229.07					
155 °C						

1-Butyl-1-methylpyrrolidinium triflate

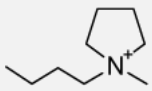
	367522-96-1	49517-60	ILT	IL-0113-HP	99%	25 g
	C ₁₀ H ₂₀ F ₃ NO ₃ S	49517-61	ILT	IL-0113-HP	99%	100 g
	291.33					
3 °C 148 cP (25 °C) d 1.26 (27 °C) 1.85 mS/cm (24 °C)						

1-Butyl-1-methylpyrrolidinium dicyanamide

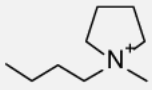
	370865-80-8	49517-52	ILT	IL-0041-HP	> 98%	25 g
	C ₁₁ H ₂₀ N ₄	49517-53	ILT	IL-0041-HP	> 98%	100 g
	208.30					
35 cP (25 °C) d 1.02 (20 °C) 3.25 mS/cm (24 °C)						

ピロリジニウム系

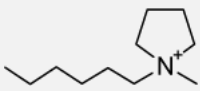
1-Butyl-1-methylpyrrolidinium tricyanomethanide

 $[\text{C}(\text{CN})_3]^-$	878027-72-6	49527-47	ILT	IL-0318-HP	98%	25 g
	$\text{C}_{13}\text{H}_{20}\text{N}_4$ 232.32	49527-48	ILT	IL-0318-HP	98%	100 g

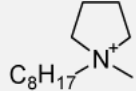
1-Butyl-1-methylpyrrolidinium methylcarbonate, 50% in methanol

 $[\text{CH}_3\text{OCO}_2]^-$	1223496-96-5	49529-28	ILT	IN-0029-SG	>97%	25 g

1-Hexyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide

 $[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	380497-19-8	49528-12	ILT	IL-0092-HP	99%	25 g
	$\text{C}_{13}\text{H}_{24}\text{F}_6\text{N}_2\text{O}_4\text{S}_2$ 450.47					

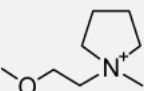
1-Methyl-1-octylpyrrolidinium bis(trifluoromethylsulfonyl)imide

 $[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	927021-43-0	49528-17	ILT	IL-0121-HP	99%	25 g
	$\text{C}_{15}\text{H}_{28}\text{F}_6\text{N}_2\text{O}_4\text{S}_2$ 478.52					

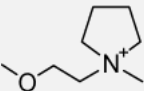
ピロリジニウム系

1-Methyl-1-(X)pyrrolidinium

N-(2-Methoxyethyl)-*N*-methyl-pyrrolidinium bis(trifluoromethanesulfonyl)imide

 <chem>CN1CC[C@H](COC)C1.[O-]S(=O)(=O)C(F)(F)F.[O-]S(=O)(=O)C(F)(F)F</chem>	757240-24-7	25966-55	素材研究用	5 mL
	C ₁₀ H ₁₈ F ₆ N ₂ O ₅ S ₂	25966-35	素材研究用	25 mL
	424.39	25966-05	素材研究用	500 g
	-95 °C 50 cP (25 °C) d 1.45 3.8 mS/cm			

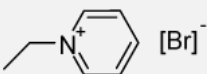
N-(2-Methoxyethyl)-*N*-methyl-pyrrolidinium tetrafluoroborate

 <chem>CN1CC[C@H](COC)C1.[B-](F)(F)F(F)</chem>	464927-76-2	25967-45	素材研究用	10 mL
	C ₈ H ₁₈ BF ₄ NO	25967-25	素材研究用	100 mL
	231.04	25967-05	素材研究用	500 g
	18 °C 154 cP (25 °C) d 1.23 2.9 mS/cm			

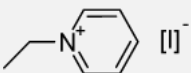
ピリジニウム系

1-Alkylpyridinium

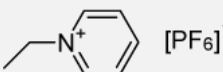
1-Ethylpyridinium bromide

 120 °C	1906-79-2	49515-84	ILT	IL-0171-HP	99%	25 g
	C ₇ H ₁₀ BrN	49515-85	ILT	IL-0171-HP	99%	100 g
	188.06					

1-Ethylpyridinium iodide

 97 °C	872-90-2	49515-88	ILT	IL-0173-HP	98%	25 g
	C ₇ H ₁₀ I ⁺ N	49515-89	ILT	IL-0173-HP	98%	100 g
	235.07					

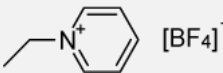
1-Ethylpyridinium hexafluorophosphate

 106 °C	103173-73-5	49515-86	ILT	IL-0172-HP	99%	25 g
	C ₇ H ₁₀ F ₆ NP	49515-87	ILT	IL-0172-HP	99%	100 g
	253.13					

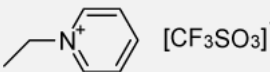
1-Ethylpyridinium bis(trifluoromethylsulfonyl)imide

	712354-97-7	49515-82	ILT	IL-0211-HP	99%	25 g
	C ₉ H ₁₀ F ₆ N ₂ O ₄ S ₂	49515-83	ILT	IL-0211-HP	99%	100 g
	388.31					

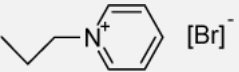
1-Ethylpyridinium tetrafluoroborate

 46 °C	350-48-1	49515-90	ILT	IL-0107-HP	> 98%	25 g
	C ₇ H ₁₀ BF ₄ N	49515-91	ILT	IL-0107-HP	> 98%	100 g
	194.97					

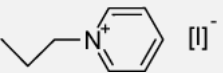
1-Ethylpyridinium triflate

 69 cP (25 °C) d 1.40 (24 °C) 4.34 mS/cm (24 °C)	3878-80-6	49515-92	ILT	IL-0186-HP	99%	25 g
	C ₈ H ₁₀ F ₃ NO ₃ S	49515-93	ILT	IL-0186-HP	99%	100 g
	257.23					

1-Propylpyridinium bromide

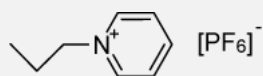
 73 °C	873-71-2	49518-45	ILT	IL-0224-HP	99%	25 g
	C ₈ H ₁₂ BrN	49518-46	ILT	IL-0224-HP	99%	100 g
	202.09					

1-Propylpyridinium iodide

	39868-02-5	49519-11	ILT	IL-0253-HP	> 98%	25 g
	C ₈ H ₁₂ I ⁺ N	49519-12	ILT	IL-0253-HP	> 98%	100 g
	249.09					

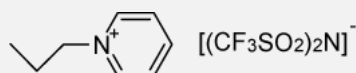
ピリジニウム系

1-Propylpyridinium hexafluorophosphate



1242154-97-7	49519-07	ILT	IL-0251-HP	99%	25 g
C ₈ H ₁₂ F ₆ NP 267.15	49519-08	ILT	IL-0251-HP	99%	100 g

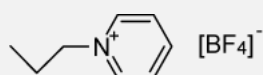
1-Propylpyridinium bis(trifluoromethylsulfonyl)imide



53 cP (25 °C) d 1.45 (22 °C)

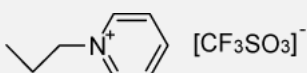
1104525-90-7	49515-94	ILT	IL-0212-HP	99%	25 g
C ₁₀ H ₁₂ F ₆ N ₂ O ₄ S ₂ 402.34	49515-95	ILT	IL-0212-HP	99%	100 g

1-Propylpyridinium tetrafluoroborate



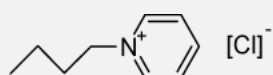
239084-00-5	49519-09	ILT	IL-0252-HP	> 98%	25 g
C ₈ H ₁₂ BF ₄ N 209.00	49519-10	ILT	IL-0252-HP	> 98%	100 g

1-Propylpyridinium triflate



1242154-93-3	49519-05	ILT	IL-0250-HP	99%	25 g
C ₉ H ₁₂ F ₃ NO ₃ S 271.26	49519-06	ILT	IL-0250-HP	99%	100 g

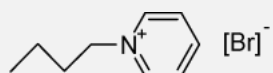
1-Butylpyridinium chloride



131 °C

1124-64-7	49516-02	ILT	IL-0087-HP	99%	25 g
C ₉ H ₁₄ ClN 171.67	49516-03	ILT	IL-0087-HP	99%	100 g

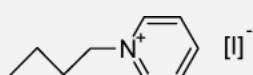
1-Butylpyridinium bromide



98 °C

874-80-6	49516-00	ILT	IL-0086-HP	99%	25 g
C ₉ H ₁₄ BrN 216.12	49516-01	ILT	IL-0086-HP	99%	100 g

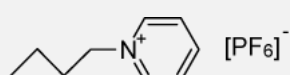
1-Butylpyridinium iodide



74 °C

874-81-7	49516-06	ILT	IL-0176-HP	98%	25 g
C ₉ H ₁₄ I 263.12	49516-07	ILT	IL-0176-HP	98%	100 g

1-Butylpyridinium hexafluorophosphate

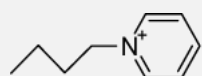


75-80 °C

186088-50-6	49516-04	ILT	IL-0088-HP	99%	25 g
C ₉ H ₁₄ N·PF ₆ 281.18	49516-05	ILT	IL-0088-HP	99%	100 g
	35419-1A	TFS	35419-0250		25 g

ピリジニウム系

1-Butylpyridinium bis(trifluoromethylsulfonyl)imide



187863-42-9
C₁₁H₁₄F₆N₂O₄S₂
416.37

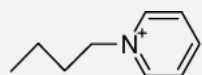
59 cP (25 °C)

d 1.45 (23 °C)

1.54 mS/cm (25 °C)

[49515-96](#) ILT IL-0213-HP 99% 25 g
[49515-97](#) ILT IL-0213-HP 99% 100 g

1-Butylpyridinium tetrafluoroborate



203389-28-0
C₉H₁₄N·BF₄
233.02

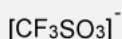
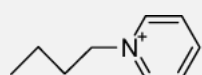
203 cP (20 °C)

d 1.22 (22 °C)

1.94 mS/cm (23 °C)

[49516-08](#) ILT IL-0089-HP 99% 25 g
[49516-09](#) ILT IL-0089-HP 99% 100 g

1-Butylpyridinium triflate

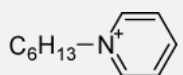


390423-43-5
C₁₀H₁₄F₃NO₃S
285.29

36 °C

[49516-10](#) ILT IL-0182-HP 99% 25 g
[49516-11](#) ILT IL-0182-HP 99% 100 g

1-Hexylpyridinium chloride

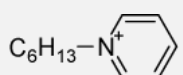


6220-15-1
C₁₁H₁₈ClN
199.72

4322 cP (25 °C)

[49516-14](#) ILT IL-0131-HP > 98% 25 g
[49516-15](#) ILT IL-0131-HP > 98% 100 g

1-Hexylpyridinium bromide

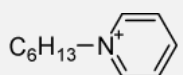


74440-81-6
C₁₁H₁₈BrN
244.17

60-70 °C

[49516-12](#) ILT IL-0130-HP 99% 25 g
[49516-13](#) ILT IL-0130-HP 99% 100 g

1-Hexylpyridinium iodide

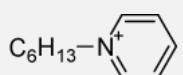


7324-00-7
C₁₁H₁₈IN
291.17

59 °C

[49516-18](#) ILT IL-0177-HP 98% 25 g
[49516-19](#) ILT IL-0177-HP 98% 100 g

1-Hexylpyridinium hexafluorophosphate

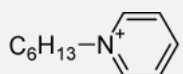


797789-00-5
C₁₁H₁₈N·PF₆
309.23

50 °C

[49516-16](#) ILT IL-0114-HP 99% 25 g
[49516-17](#) ILT IL-0114-HP 99% 100 g

1-Hexylpyridinium bis(trifluoromethylsulfonyl)imide



460983-97-5
C₁₆H₁₈F₆N₂O₄S₂
480.45

[49529-17](#) ILT IL-0330-HP 99% 25 g

ピリジニウム系

1-Hexylpyridinium tetrafluoroborate

$\text{C}_6\text{H}_{13}-\text{N}^+$  $[\text{BF}_4]^-$	474368-70-2	49516-20	ILT	IL-0108-HP	99%	25 g
	$\text{C}_{11}\text{H}_{18}\text{N} \cdot \text{BF}_4$	49516-21	ILT	IL-0108-HP	99%	100 g
	251.07					
460 cP (18 °C)	d 1.16 (23 °C)	0.90 mS/cm (30 °C)				

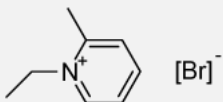
1-Hexylpyridinium triflate

$\text{C}_6\text{H}_{13}-\text{N}^+$  $[\text{CF}_3\text{SO}_3]^-$	623167-81-7	49516-22	ILT	IL-0181-HP	98%	25 g
	$\text{C}_{12}\text{H}_{18}\text{F}_3\text{NO}_3\text{S}$	49516-23	ILT	IL-0181-HP	98%	100 g
	313.34					
63 °C						

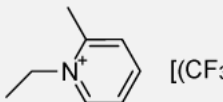
ピリジニウム系

Methyl-1-alkylpyridinium

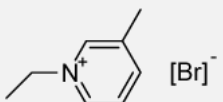
1-Ethyl-2-methylpyridinium bromide

	32353-50-7	49518-47	ILT	IL-0225-HP	99%	25 g
	C ₈ H ₁₂ BrN	49518-48	ILT	IL-0225-HP	99%	100 g
	202.09					
120 °C						

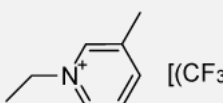
1-Ethyl-2-methylpyridinium bis(trifluoromethylsulfonyl)imide

	712354-99-9	49518-97	ILT	IL-0247-HP	99%	25 g
	C ₁₀ H ₁₂ F ₆ N ₂ O ₄ S ₂	49519-00	ILT	IL-0247-HP	99%	100 g
	402.34					
75 cP (25 °C) d 1.51 (27 °C) 3.71 mS/cm (30 °C)						

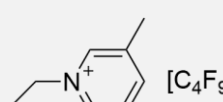
1-Ethyl-3-methylpyridinium bromide

	54778-76-6	49518-49	ILT	IL-0226-HP	99%	25 g
	C ₈ H ₁₂ BrN	49518-50	ILT	IL-0226-HP	99%	100 g
	202.09					

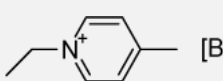
1-Ethyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide

	841251-37-4	49516-24	ILT	IL-0214-HP	99%	25 g
	C ₁₀ H ₁₂ F ₆ N ₂ O ₄ S ₂	49516-25	ILT	IL-0214-HP	99%	100 g
	402.34					
37 cP (25 °C) d 1.48 (26 °C) 7.47 mS/cm (30 °C)						

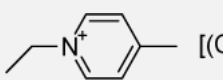
1-Ethyl-3-methylpyridinium perfluorobutanesulfonate

	1015420-87-7	49520-18	ILT	IL-0313-HP	> 99%	25 g
	C ₁₂ H ₁₂ F ₉ NO ₃ S	49520-19	ILT	IL-0313-HP	> 99%	100 g
	421.28					
195 cP (25 °C) d 1.52 (23 °C) 1.53 mS/cm (30 °C)						

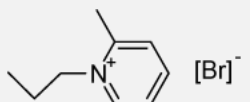
1-Ethyl-4-methylpyridinium bromide

	32353-49-4	49518-51	ILT	IL-0227-HP	99%	25 g
	C ₈ H ₁₂ BrN	49518-52	ILT	IL-0227-HP	99%	100 g
	202.09					
140 °C						

1-Ethyl-4-methylpyridinium bis(trifluoromethylsulfonyl)imide

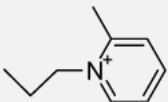
	712355-03-8	49516-26	ILT	IL-0217-HP	99%	25 g
	C ₁₀ H ₁₂ F ₆ N ₂ O ₄ S ₂	49516-27	ILT	IL-0217-HP	99%	100 g
	402.34					
32 cP (25 °C) d 1.49 (21 °C) 3.42 mS/cm (25 °C)						

1-Propyl-2-methylpyridinium bromide

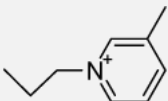
	5411-09-6	49518-39	ILT	IL-0221-HP	99%	25 g
	C ₉ H ₁₄ BrN	49518-40	ILT	IL-0221-HP	99%	100 g
	216.12					
106 °C						

ピリジニウム系

2-Methyl-1-propylpyridinium bis(trifluoromethylsulfonyl)imide

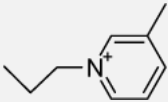
 $[(CF_3SO_2)_2N]^-$	1456877-99-8	49519-01	ILT	IL-0248-HP	99%	25 g
	C ₁₁ H ₁₄ F ₆ N ₂ O ₄ S ₂	49519-02	ILT	IL-0248-HP	99%	100 g
	416.37					

1-Propyl-3-methylpyridinium bromide

 $[Br]^-$	67021-55-0	49518-41	ILT	IL-0222-HP	99%	25 g
	C ₉ H ₁₄ BrN	49518-42	ILT	IL-0222-HP	99%	100 g
	216.12					

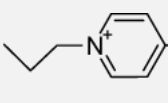
73 °C

1-Propyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide

 $[(CF_3SO_2)_2N]^-$	817575-06-7	49516-28	ILT	IL-0215-HP	99%	25 g
	C ₁₁ H ₁₄ F ₆ N ₂ O ₄ S ₂	49516-30	ILT	IL-0215-HP	99%	100 g
	416.37					

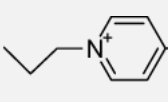
53 cP (25 °C) d 1.45 (22 °C)

1-Propyl-4-methylpyridinium bromide

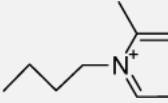
 $[Br]^-$	70850-58-7	49518-43	ILT	IL-0223-HP	99%	25 g
	C ₉ H ₁₄ BrN	49518-44	ILT	IL-0223-HP	99%	100 g
	216.12					

55 °C

1-Propyl-4-methylpyridinium bis(trifluoromethylsulfonyl)imide

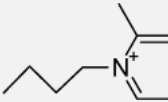
 $[(CF_3SO_2)_2N]^-$	1456878-01-5	49516-31	ILT	IL-0218-HP	99%	25 g
	C ₁₁ H ₁₄ F ₆ N ₂ O ₄ S ₂	49516-32	ILT	IL-0218-HP	99%	100 g
	416.37					

1-Butyl-2-methylpyridinium chloride

 $[Cl]^-$	112400-85-8	49516-35	ILT	IL-0129-HP	99%	25 g
	C ₁₀ H ₁₆ ClN	49516-36	ILT	IL-0129-HP	99%	100 g
	185.69					

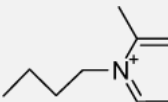
147 °C d 1.41 (22 °C)

1-Butyl-2-methylpyridinium bromide

 $[Br]^-$	26576-84-1	49516-33	ILT	IL-0128-HP	99%	25 g
	C ₁₀ H ₁₆ BrN	49516-34	ILT	IL-0128-HP	99%	100 g
	230.14					

152 °C

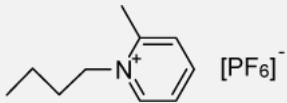
1-Butyl-2-methylpyridinium iodide

 $[I]^-$	13311-31-4	49516-39	ILT	IL-0183-HP	98%	25 g
	C ₁₀ H ₁₆ I N	49516-40	ILT	IL-0183-HP	98%	100 g
	277.15					

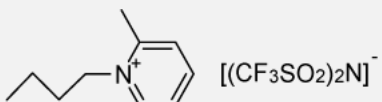
114 °C

ピリジニウム系

1-Butyl-2-methylpyridinium hexafluorophosphate

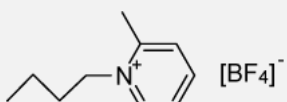
	1268986-44-2	49516-37	ILT	IL-0127-HP	99%	25 g
	C ₁₀ H ₁₆ F ₆ NP	49516-38	ILT	IL-0127-HP	99%	100 g
	295.20					

1-Butyl-2-methylpyridinium bis(trifluoromethylsulfonyl)imide

	384347-09-5	49518-53	ILT	IL-0228-HP	99%	25 g
	C ₁₂ H ₁₆ F ₆ N ₂ O ₄ S ₂	49518-54	ILT	IL-0228-HP	99%	100 g
	430.39					

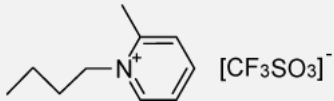
92 cP (25 °C) d 1.43 (21 °C) 1.03 mS/cm (25 °C)

1-Butyl-2-methylpyridinium tetrafluoroborate

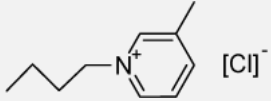
	286453-46-1	49516-41	ILT	IL-0111-HP	99%	25 g
	C ₁₀ H ₁₆ BF ₄ N	49516-42	ILT	IL-0111-HP	99%	100 g
	237.05					

258 cP (20 °C) d 1.20 (25 °C) 1.83 mS/cm (23 °C)

1-Butyl-2-methylpyridinium triflate

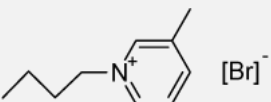
	1770850-20-8	49516-43	ILT	IL-0178-HP	99%	25 g
	C ₁₁ H ₁₆ F ₃ NO ₃ S	49516-44	ILT	IL-0178-HP	99%	100 g
	299.31					

1-Butyl-3-methylpyridinium chloride

	125652-55-3	49516-49	ILT	IL-0079-HP	99%	25 g
	C ₁₀ H ₁₆ ClN	49516-50	ILT	IL-0079-HP	99%	100 g
	185.69					

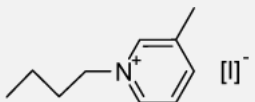
112 °C

1-Butyl-3-methylpyridinium bromide

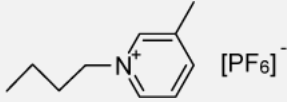
	26576-85-2	49516-47	ILT	IL-0078-HP	99%	25 g
	C ₁₀ H ₁₆ BrN	49516-48	ILT	IL-0078-HP	99%	100 g
	230.14					

79 °C

1-Butyl-3-methylpyridinium iodide

	258273-67-5	49516-53	ILT	IL-0184-HP	98%	25 g
	C ₁₀ H ₁₆ IN	49516-54	ILT	IL-0184-HP	98%	100 g
	277.15					

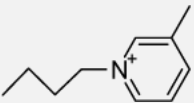
1-Butyl-3-methylpyridinium hexafluorophosphate

	845835-03-2	49516-51	ILT	IL-0080-HP	99%	25 g
	C ₁₀ H ₁₆ F ₆ NP	49516-52	ILT	IL-0080-HP	99%	100 g
	295.20					

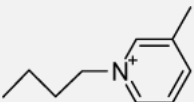
52 °C

ピリジニウム系

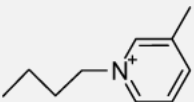
1-Butyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide

	344790-86-9	49516-45	ILT	IL-0216-HP	99%	25 g
	C ₁₂ H ₁₆ F ₆ N ₂ O ₄ S ₂	49516-46	ILT	IL-0216-HP	99%	100 g
	430.39					
	3.29 mS/cm (30 °C)					

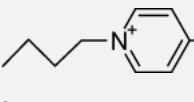
1-Butyl-3-methylpyridinium tetrafluoroborate

	597581-48-1	49516-55	ILT	IL-0081-HP	99%	25 g
	C ₁₀ H ₁₆ BF ₄ N	49516-56	ILT	IL-0081-HP	99%	100 g
	237.05					
	176 cP (25 °C) d 1.18 (25 °C) 1.41 mS/cm (23 °C)					

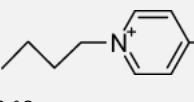
1-Butyl-3-methylpyridinium triflate

	857841-32-8	49516-57	ILT	IL-0179-HP	99%	25 g
	C ₁₁ H ₁₆ F ₃ NO ₃ S	49516-58	ILT	IL-0179-HP	99%	100 g
	299.31					
	118 cP (25 °C) d 1.28 (25 °C) 2.35 mS/cm (30 °C)					

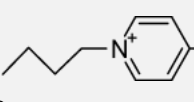
1-Butyl-4-methylpyridinium chloride

	112400-86-9	49516-63	ILT	IL-0083-HP	99%	25 g
	C ₁₀ H ₁₆ ClN	49516-64	ILT	IL-0083-HP	99%	100 g
	185.69					
	162 °C					

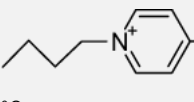
1-Butyl-4-methylpyridinium bromide

	65350-59-6	49516-61	ILT	IL-0082-HP	99%	25 g
	C ₁₀ H ₁₆ BrN	49516-62	ILT	IL-0082-HP	99%	100 g
	230.14					
	115-120 °C					

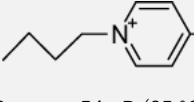
1-Butyl-4-methylpyridinium iodide

	32353-64-3	49516-67	ILT	IL-0185-HP	98%	25 g
	C ₁₀ H ₁₆ IN	49516-68	ILT	IL-0185-HP	98%	100 g
	277.15					
	60 °C					

1-Butyl-4-methylpyridinium hexafluorophosphate

	401788-99-6	49516-65	ILT	IL-0084-HP	99%	25 g
	C ₁₀ H ₁₆ F ₆ NP	49516-66	ILT	IL-0084-HP	99%	100 g
	295.20					
	42-43 °C					

1-Butyl-4-methylpyridinium bis(trifluoromethylsulfonyl)imide

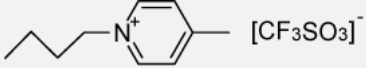
	475681-62-0	49516-59	ILT	IL-0219-HP	99%	25 g
	C ₁₂ H ₁₆ F ₆ N ₂ O ₄ S ₂	49516-60	ILT	IL-0219-HP	99%	100 g
	430.39					
	10 °C 54 cP (25 °C) d 1.41 (22 °C) 4.32 mS/cm (30 °C)					

ピリジニウム系

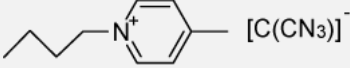
1-Butyl-4-methylpyridinium tetrafluoroborate

	343952-33-0	49516-69	ILT	IL-0085-HP	99%	25 g
	C ₁₀ H ₁₆ BF ₄ N	49516-70	ILT	IL-0085-HP	99%	100 g
	237.05					
	1.81 mS/cm					

1-Butyl-4-methylpyridinium triflate

	882172-79-4	49516-71	ILT	IL-0180-HP	99%	25 g
	C ₁₁ H ₁₆ F ₃ NO ₃ S	49516-72	ILT	IL-0180-HP	99%	100 g
	299.31					
136 cP (25 °C)	d 1.28 (25 °C)	2.41 mS/cm (30 °C)				

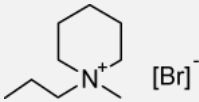
1-Butyl-4-methylpyridinium tricyanomethanide

	1312925-66-8	49527-49	ILT	IL-0319-HP	98%	25 g
	C ₁₄ H ₁₆ N ₄	49527-50	ILT	IL-0319-HP	98%	100 g
	240.30					

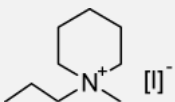
ピペリジニウム系

1-Alkyl-1-methylpiperidinium

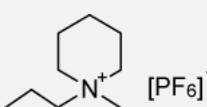
1-Methyl-1-propylpiperidinium bromide

 247 °C	88840-42-0 $C_9H_{20}BrN$ 222.17	49516-97	ILT	IL-0090-HP	99%	25 g
		49517-00	ILT	IL-0090-HP	99%	100 g

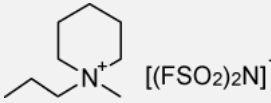
1-Methyl-1-propylpiperidinium iodide

 190 °C	17874-63-4 $C_9H_{20}IN$ 269.17	49517-03	ILT	IL-0170-HP	> 98%	25 g
		49517-04	ILT	IL-0170-HP	> 98%	100 g

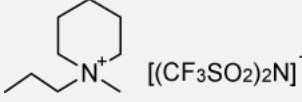
1-Methyl-1-propylpiperidinium hexafluorophosphate

	1426821-81-9 $C_9H_{20}F_6NP$ 287.23	49517-01	ILT	IL-0149-HP	99%	25 g
		49517-02	ILT	IL-0149-HP	99%	100 g

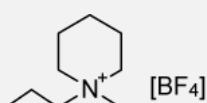
1-Methyl-1-propylpiperidinium bis(fluorosulfonyl)imide

	911303-46-3 $C_9H_{20}F_2N_2O_4S_2$ 322.40	25965-35	素材研究用			25 mL
		49210-09	SOLVI	PI0333A10	99.9%	10 g

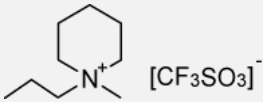
1-Methyl-1-propylpiperidinium bis(trifluoromethanesulfonyl)imide

 176 cP (25 °C) d 1.41 (23 °C) 2.12 mS/cm (30 °C)	608140-12-1 $C_{11}H_{20}F_6N_2O_4S_2$ 422.41	26039-53	素材研究用			5 mL
		26039-33	素材研究用			25 mL
		49516-95	ILT	IL-0045-HP	99%	25 g
		49516-96	ILT	IL-0045-HP	99%	100 g
		49528-10	ILT	IL-0045-UP	99.5%	25 g

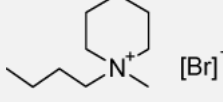
1-Methyl-1-propylpiperidinium tetrafluoroborate

 105 °C	879866-95-2 $C_9H_{20}BF_4N$ 229.07	49517-05	ILT	IL-0150-HP	99%	25 g
		49517-06	ILT	IL-0150-HP	99%	100 g

1-Methyl-1-propylpiperidinium triflate

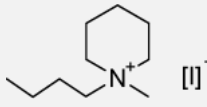
	1221445-34-6 $C_{10}H_{20}F_3NO_3S$ 291.33	49517-07	ILT	IL-0175-HP	99%	25 g
		49517-08	ILT	IL-0175-HP	99%	100 g

1-Butyl-1-methylpiperidinium bromide

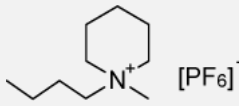
 231 °C	94280-72-5 $C_{10}H_{22}BrN$ 236.19	49517-11	ILT	IL-0153-HP	99%	25 g
		49517-12	ILT	IL-0153-HP	99%	100 g

ピペリジニウム系

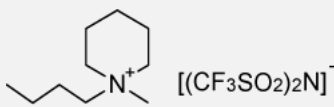
1-Butyl-1-methylpiperidinium iodide

	37971-78-1	49517-15	ILT	IL-0169-HP	> 98%	25 g
	C ₁₀ H ₂₂ IN	49517-16	ILT	IL-0169-HP	> 98%	100 g
	283.19					
192 °C						

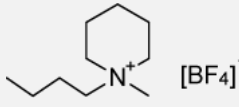
1-Butyl-1-methylpiperidinium hexafluorophosphate

	1257647-66-7	49517-13	ILT	IL-0156-HP	99%	25 g
	C ₁₀ H ₂₂ F ₆ NP	49517-14	ILT	IL-0156-HP	99%	100 g
	301.25					

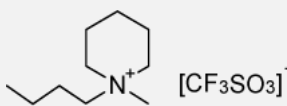
1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide

	623580-02-9	49517-09	ILT	IL-0154-HP	99%	25 g
	C ₁₂ H ₂₂ F ₆ N ₂ O ₄ S ₂	49517-10	ILT	IL-0154-HP	99%	100 g
	436.44					
183 cP (20 °C) d 1.38 (23 °C) 0.84 mS/cm (25 °C)						

1-Butyl-1-methylpiperidinium tetrafluoroborate

	886439-34-5	49517-17	ILT	IL-0152-HP	99%	25 g
	C ₁₀ H ₂₂ BF ₄ N	49517-18	ILT	IL-0152-HP	99%	100 g
	243.10					
149 °C						

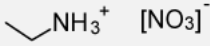
1-Butyl-1-methylpiperidinium triflate

	1357500-93-6	49517-19	ILT	IL-0174-HP	99%	25 g
	C ₁₁ H ₂₂ F ₃ NO ₃ S	49517-20	ILT	IL-0174-HP	99%	100 g
	305.36					

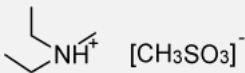
アンモニウム系

Alkylammonium

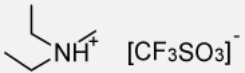
Ethylammonium nitrate

	22113-86-6	49518-06	ILT	IL-0043-SG	> 97%	25 g
	C2H9N2O3	49518-07	ILT	IL-0043-SG	> 97%	100 g
	109.10					

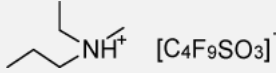
Diethylmethylammonium methanesulfonate

	945715-44-6	49527-61	ILT	IL-0325-HP	98%	25 g
	C6H17NO3S	49527-62	ILT	IL-0325-HP	98%	100 g
	183.27					

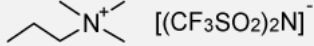
Diethylmethylammonium trifluoromethanesulfonate

	945715-39-9	49527-63	ILT	IL-0326-HP	98%	25 g
	C6H14F3NO3S	49527-64	ILT	IL-0326-HP	98%	100 g
	237.24					

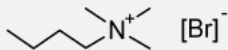
N-Ethyl-N-methyl-N-propylammonium perfluorobutanesulfonate

	1186599-90-5	49529-23	ILT	IL-0338-HP	99%	25 g
	C10H16F9NO3S					
	401.29					

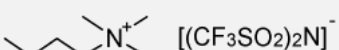
N,N,N-Trimethyl-N-propylammonium bis(trifluoromethanesulfonyl)imide

	268536-05-6	41110-53	素材研究用			5 mL
	C8H16F6N2O4S2	41110-33	素材研究用			25 mL
	382.35					

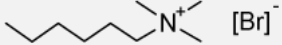
N-Trimethyl-N-butylammonium bromide

	2650-51-3	49210-13	SOLVI	AM0402C50	99%	50 g
	C7H18NBr					
	196.13					

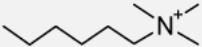
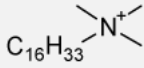
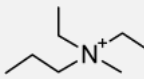
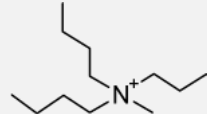
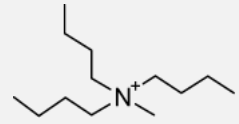
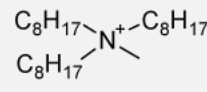
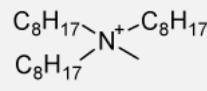
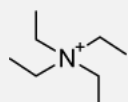
Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide

	258273-75-5	49516-81	ILT	IL-0032-HP	99%	25 g
	C9H18F6N2O4S2	49516-82	ILT	IL-0032-HP	99%	100 g
	396.38	49528-03	ILT	IL-0032-UP	99.5%	25 g
	100 cP (25 °C)	d 1.40 (24 °C)	2.86 mS/cm (30 °C)			

N-Trimethyl-N-hexylammonium bromide

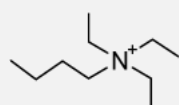
	2650-53-5	49210-14	SOLVI	AM0602C50	99%	50 g
	C9H22NBr					
	224.18					

アンモニウム系

<i>N</i> -Trimethyl- <i>N</i> -hexylammonium bis(trifluoromethanesulfonyl)imide						
	210230-43-6 C ₁₁ H ₂₂ F ₆ N ₂ O ₄ S ₂ 424.43	49210-07	SOLVI	AM0608B50	99.5%	50 g
Hexadecyltrimethylammonium bis(trifluoromethylsulfonyl)imide						
	1031250-01-7 C ₂₁ H ₄₂ F ₆ N ₂ O ₄ S ₂ 564.70	49529-14	ILT	IL-0327-HP	99%	25 g
<i>N,N</i> -Diethyl- <i>N</i> -methyl- <i>N</i> -propylammonium bis(fluorosulfonyl)imide						
	1235234-32-8 C ₈ H ₂₀ F ₂ N ₂ O ₄ S ₂ 310.39	49210-08	SOLVI	AMSF2633A10	99.9%	10 g
<i>N</i> -Tributyl- <i>N</i> -methylammonium iodide						
	3085-79-8 C ₁₃ H ₃₀ NI 327.29	49210-15	SOLVI	AM3406C50	99%	50 g
Tributylmethylammonium bis(trifluoromethylsulfonyl)imide						
	405514-94-5 C ₁₅ H ₃₀ F ₆ N ₂ O ₄ S ₂ 480.54	49516-83	ILT	IL-0117-HP	99%	25 g
522 cP (25 °C) d 1.26 (23 °C) 0.48 mS/cm (30 °C)		49516-84	ILT	IL-0117-HP	99%	100 g
Methyltrioctylammonium bis(trifluoromethylsulfonyl)imide						
	375395-33-8 C ₂₇ H ₅₄ F ₆ N ₂ O ₄ S ₂ 648.85	49516-85	ILT	IL-0017-HP	99%	25 g
540 cP (25 °C) d 1.11 (23 °C) 0.046 mS/cm (20 °C)		49516-86	ILT	IL-0017-HP	99%	100 g
Methyltrioctylammonium triflate						
	121107-18-4 C ₂₆ H ₅₄ F ₃ NO ₃ S 517.77	49516-87	ILT	IL-0118-HP	99%	25 g
55-60 °C		49516-88	ILT	IL-0118-HP	99%	100 g
Tetraethylammonium bis(trifluoromethylsulfonyl)imide						
	161401-26-9 C ₁₀ H ₂₀ F ₆ N ₂ O ₄ S ₂ 410.40	49529-20	ILT	IL-0335-HP	> 98%	25 g

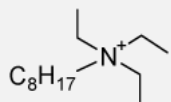
アンモニウム系

Butyltriethylammonium bis(trifluoromethylsulfonyl)imide



324574-91-6	49529-16	ILT	IL-0329-HP	99%	25 g
$C_{12}H_{24}F_6N_2O_4S_2$					
438.46					

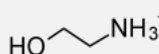
Octyltriethylammonium bis(trifluoromethylsulfonyl)imide



210230-48-1	49529-15	ILT	IL-0328-HP	> 98%	25 g
$C_{16}H_{32}F_6N_2O_4S_2$					
494.56					

Ammonium【Others】

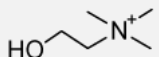
2-Hydroxyethylammonium formate



53226-35-0	49516-89	ILT	IL-0034-SG	> 97%	25 g
$C_3H_9NO_3$	49516-90	ILT	IL-0034-SG	> 97%	100 g
107.11					

188 cP (25 °C) d 1.20 (24 °C) 4.40 mS/cm (30 °C)

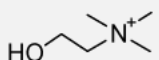
Choline dihydrogenphosphate



83846-92-8	49516-93	ILT	IL-0042-HP	> 98%	25 g
$C_5H_{16}NPO_5$	49516-94	ILT	IL-0042-HP	> 98%	100 g
201.16					

190 °C

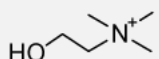
Choline bis(trifluoromethylsulfonyl)imide



827027-25-8	49516-91	ILT	IL-0110-HP	99%	25 g
$C_7H_{14}F_6N_2O_4S_2$	49516-92	ILT	IL-0110-HP	99%	100 g
368.32					

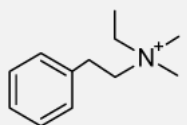
35-37 °C 50 cP (45 °C) 3.98 mS/cm (45 °C)

Choline acetate



14586-35-7	49527-59	ILT	IL-0322-HP	98%	25 g
$C_7H_{17}NO_3$	49527-60	ILT	IL-0322-HP	98%	100 g
163.21					

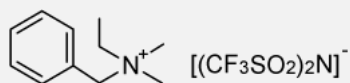
N,N-Dimethyl-*N*-ethyl-*N*-phenethylammonium bis(trifluoromethanesulfonyl)imide



1804970-28-2	49210-06	SOLVI	AMSF1308B50	99.5%	50 g
$C_{14}H_{20}F_6O_4S_2N_2$					
458.45					

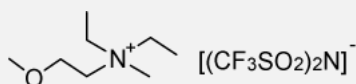
アンモニウム系

N,N-Dimethyl-*N*-ethyl-*N*-benzylammonium bis(trifluoromethanesulfonyl)imide



1186103-43-4	49210-05	SOLVI	AMSF1208B50	99.5%	50 g
C ₁₃ H ₁₈ F ₆ O ₄ S ₂ N ₂					
444.42					

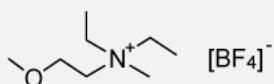
N,N-Diethyl-*N*-methyl-*N*-(2-methoxyethyl)ammonium bis(trifluoromethanesulfonyl)imide



67 cP (25 °C) d 1.42 2.62 mS/cm

464927-84-2	11468-55	素材研究用			5 mL
C ₁₀ H ₂₀ F ₆ N ₂ O ₅ S ₂	11468-35	素材研究用			25 mL
426.40	49528-16	ILT	IL-0116-HP	99%	25 g

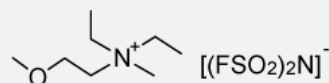
N,N-Diethyl-*N*-methyl-*N*-(2-methoxyethyl)ammonium tetrafluoroborate



9 °C 272 cP (25 °C) d 1.17 1.24 mS/cm

464927-72-8	11469-45	素材研究用			10 mL
C ₈ H ₂₀ NOBF ₄	11469-25	素材研究用			100 mL
233.06	49528-19	ILT	IL-0123-HP	99%	25 g

N,N-Diethyl-*N*-methyl-*N*-(2-methoxyethyl)ammonium bis(fluorosulfonyl)imide



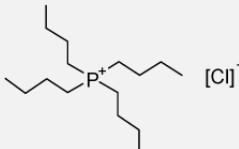
-22 °C 46 cP (25 °C) d 1.27 (23 °C) 5.6 mS/cm (20 °C)

1079129-48-8	10505-35	素材研究用			25 mL
C ₈ H ₂₀ F ₂ N ₂ O ₅ S ₂					
326.39					

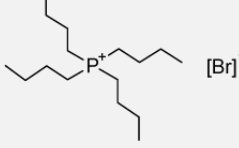
ホスホニウム系

Alkylphosphonium

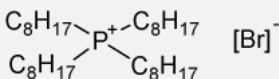
Tetrabutylphosphonium chloride

	2304-30-5	49517-74	ILT	IN-0015-TG	> 95%	25 g
	C ₁₆ H ₃₆ ClP	49517-75	ILT	IN-0015-TG	> 95%	100 g
	294.88					

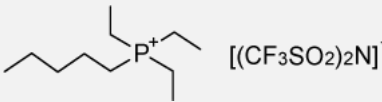
Tetrabutylphosphonium bromide

	3115-68-2	49517-72	ILT	IN-0014-TG	> 95%	25 g
	C ₁₆ H ₃₆ BrP	49517-73	ILT	IN-0014-TG	> 95%	100 g
	339.33					

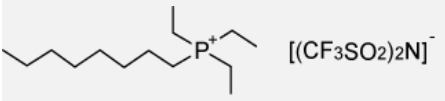
Tetraoctylphosphonium bromide

	23906-97-0	49517-76	ILT	IN-0016-TG	> 95%	25 g
	C ₃₂ H ₆₈ BrP					
	563.76					

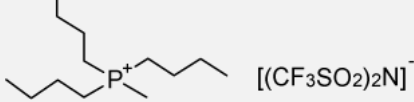
Triethylpentylphosphonium bis(trifluoromethanesulfonyl)imide

	1010707-47-7	40334-35	素材研究用			25 mL
	C ₁₃ H ₂₆ F ₆ NO ₄ PS ₂					
	469.45					
17 °C	88 cP	d 1.32	1.70 mS/cm			

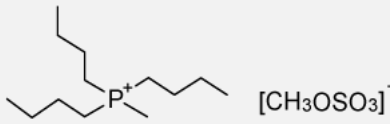
Triethyloctylphosphonium bis(trifluoromethanesulfonyl)imide

	1002754-38-2	40335-35	素材研究用			25 mL
	C ₁₆ H ₃₂ F ₆ NO ₄ PS ₂					
	511.53					
< -50 °C (Tg)	129 cP	d 1.26	0.98 mS/cm			

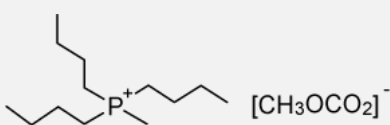
Tributylmethylphosphonium bis(trifluoromethanesulfonyl)imide

	324575-10-2	40336-35	素材研究用			25 mL
	C ₁₅ H ₃₀ F ₆ NO ₄ PS ₂	49529-33	ILT	IN-0037-HP	99%	25 g
	497.50					
16 °C	207 cP	d 1.28	0.42 mS/cm			

Tributylmethylphosphonium methylsulfate

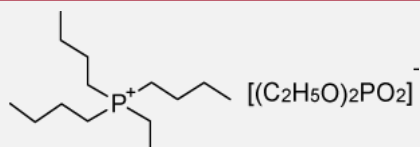
	69056-62-8	49517-70	ILT	IN-0013-TG	> 95%	25 g
	C ₁₄ H ₃₃ O ₄ PS	49517-71	ILT	IN-0013-TG	> 95%	100 g
	328.45					

Tributylmethylphosphonium methylcarbonate, 50% in methanol

	120256-45-3	49529-30	ILT	IN-0030-SG	> 97%	25 g

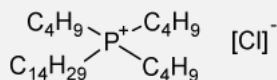
ホスホニウム系

Tributylethylphosphonium diethylphosphate



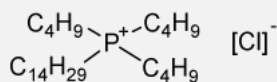
20445-94-7	49517-68	ILT	IN-0018-TG	> 95%	25 g
C ₁₈ H ₄₂ O ₄ P ₂	49517-69	ILT	IN-0018-TG	> 95%	100 g
384.47					

Tributyltetradecylphosphonium chloride



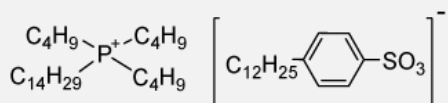
81741-28-8	49517-78	ILT	IN-0017-TG	> 95%	25 g
C ₂₆ H ₅₆ ClP	49517-79	ILT	IN-0017-TG	> 95%	100 g
435.15					

Tributyltetradecylphosphonium chloride, 50% in water



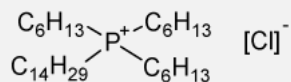
81741-28-8	49529-24	ILT	IN-0017-SG	> 95%	25 g
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Tributyltetradecylphosphonium dodecylbenzenesulfonate



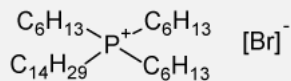
170695-05-3	49517-80	ILT	IN-0019-TG	> 95%	25 g
C ₄₄ H ₈₅ O ₃ PS	49517-81	ILT	IN-0019-TG	> 95%	100 g
725.18					

Trihexyltetradecylphosphonium chloride



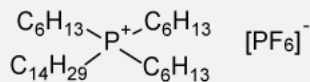
258864-54-9	49517-86	ILT	IN-0006-TG	> 95%	25 g
C ₃₂ H ₆₈ ClP	49517-87	ILT	IN-0006-TG	> 95%	100 g
519.31					

Trihexyltetradecylphosphonium bromide



654057-97-3	49517-84	ILT	IN-0007-TG	> 95%	25 g
C ₃₂ H ₆₈ BrP	49517-85	ILT	IN-0007-TG	> 95%	100 g
563.76					

Trihexyl(tetradecyl)phosphonium hexafluorophosphate

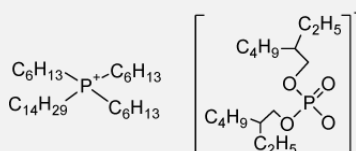


374683-44-0	49517-92	ILT	IN-0012-TG	> 95%	25 g
C ₃₂ H ₆₈ F ₆ P ₂	49517-93	ILT	IN-0012-TG	> 95%	100 g
628.82					

40-45 °C

0.046 mS/cm (25 °C)

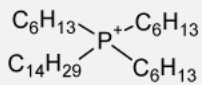
Trihexyltetradecylphosphonium bis(2-ethylhexyl)phosphate



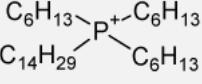
1092655-30-5	49529-32	ILT	IN-0036-HP	98%	25 g
C ₄₈ H ₁₀₂ O ₄ P ₂					
805.27					

ホスホニウム系

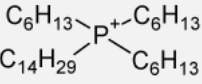
Trihexyltetradecylphosphonium bis(2,4,4-trimethylpentyl)phosphinate

 $[(C_8H_{17})_2PO_2]^-$	465527-58-6	49517-82	ILT	IN-0009-TG	> 95%	25 g
	C ₄₈ H ₁₀₂ O ₂ P ₂	49517-83	ILT	IN-0009-TG	> 95%	100 g
	773.27					

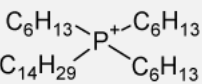
Trihexyl(tetradecyl)phosphonium bis(trifluoromethylsulfonyl)imide

 $[(CF_3SO_2)_2N]^-$	460092-03-9	49520-24	ILT	IN-0021-HP	> 98%	25 g
	C ₃₄ H ₆₈ F ₆ NO ₄ PS ₂	49520-25	ILT	IN-0021-HP	> 98%	100 g
	764.01					
-72 °C 286 cP (25 °C) d 1.07 (25 °C) 0.14 mS/cm (30 °C)						

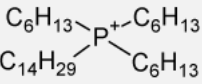
Trihexyltetradecylphosphonium dicyanamide

 $[(CN)_2N]^-$	701921-71-3	49517-90	ILT	IN-0010-TG	> 95%	25 g
	C ₃₄ H ₆₈ N ₃ P	49517-91	ILT	IN-0010-TG	> 95%	100 g
	549.90					

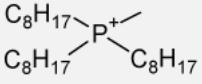
Trihexyltetradecylphosphonium tricyanomethanide

 $[C(CN)_3]^-$	855788-60-2	49527-55	ILT	IN-0038-HP	> 98%	25 g
	C ₃₆ H ₆₈ N ₃ P	49527-56	ILT	IN-0038-HP	> 98%	100 g
	573.92					

Trihexyltetradecylphosphonium decanoate

 $[C_9H_{19}CO_2]^-$	465527-65-5	49517-88	ILT	IN-0008-TG	> 95%	25 g
	C ₄₂ H ₈₇ O ₂ P	49517-89	ILT	IN-0008-TG	> 95%	100 g
	655.11					

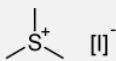
Trioctylmethylphosphonium methylcarbonate, 30% in methanol

 $[CH_3OCO_2]^-$	1204316-79-9	49529-31	ILT	IN-0031-SG	> 97%	25 g

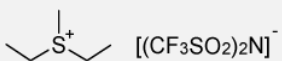
その他

Others

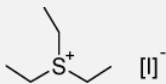
Trimethylsulfonium iodide

	2181-42-2	49519-23	ILT	IL-0259-HP	> 98%	25 g
	C ₃ H ₉ IS	49519-24	ILT	IL-0259-HP	> 98%	100 g
	204.08	14025-1A	TFS	14025-0250	> 97.5%	25 g
		14025-2A	TFS	14025-1050	> 97.5%	100 g

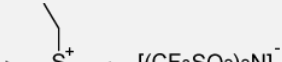
Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide

	792188-85-3	49517-62	ILT	IL-0031-HP	99%	25 g
	C ₇ H ₁₃ F ₆ NO ₄ S ₃	49517-63	ILT	IL-0031-HP	99%	100 g
	385.38					
	39 cP (25 °C) d 1.51 (19 °C) 5.98 mS/cm (25 °C)					

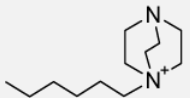
Triethylsulfonium iodide

	1829-92-1	49519-21	ILT	IL-0258-HP	> 98%	25 g
	C ₆ H ₁₅ IS	49519-22	ILT	IL-0258-HP	> 98%	100 g
	246.16					

Triethylsulfonium bis(trifluoromethylsulfonyl)imide

	321746-49-0	49517-64	ILT	IL-0030-HP	99%	25 g
	C ₈ H ₁₅ F ₆ NO ₄ S ₃	49517-65	ILT	IL-0030-HP	99%	100 g
	399.40					
	32 cP (25 °C) d 1.46 (24 °C) 5.12 mS/cm (25 °C)					

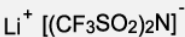
1-Hexyl-1,4-diaza[2.2.2]bicyclooctanium bis(trifluoromethylsulfonyl)imide

	898256-50-3	49520-20	ILT	IL-0314-HP	> 99%	25 g
	C ₁₄ H ₂₅ F ₆ N ₃ O ₄ S ₂	49520-21	ILT	IL-0314-HP	> 99%	100 g
	477.49					

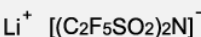
Lithium bis(fluorosulfonyl)imide

	171611-11-3	24076-55	素材研究用		> 99.5%(T)	5 g
	F ₂ LiNO ₄ S ₂	24076-35	素材研究用		> 99.5%(T)	25 g
	187.11					

Lithium bis(trifluoromethanesulfonyl)imide

	90076-65-6	24290-35	素材研究用		> 99.7%(T)	25 g
	C ₂ F ₆ LiNO ₄ S ₂	24290-15	素材研究用		> 99.7%(T)	250 g
	287.12	24290-95	素材研究用		> 99.7%(T)	2 kg
		38103-2A	TFS	38103-0500	> 98.5%	50 g

Lithium bis(pentafluoroethylsulfonyl)imide

	132843-44-8	49520-26	ILT	KI-0016-HP	99%	25 g
	LiN(SO ₂ C ₂ F ₅) ₂	49520-27	ILT	KI-0016-HP	99%	100 g
	387.13					

その他

Sodium(I) bis(fluorosulfonyl)imide

$\text{Na}^+ [(\text{FSO}_2)_2\text{N}]^-$	100669-96-3 $\text{NaN}(\text{SO}_2\text{F})_2$ 203.13	49210-16	SOLVI	M1133A	99.7%	10 g

Sodium(I) bis(trifluoromethanesulfonyl)imide

$\text{Na}^+ [(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	91742-21-1 $\text{NaN}(\text{SO}_2\text{CF}_3)_2$ 303.14	49210-17	SOLVI	M1108C	99.5%	10 g

Sodium tricyanomethanide

$\text{Na}^+ [\text{C}(\text{CN})_3]^-$	36603-80-2 $\text{C}_4\text{N}_3\text{Na}$ 113.05	49527-57	ILT	KI-0049-SG	98%	25 g
		49527-58	ILT	KI-0049-SG	98%	100 g

Potassium bis(trifluoromethanesulfonyl)imide

$\text{K}^+ [(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	90076-67-8 $\text{C}_2\text{F}_6\text{KNO}_4\text{S}_2$ 319.25	33005-35	素材研究用		> 99.8%(T)	25 g
		33005-15	素材研究用		> 99.8%(T)	250 g
		33005-95	素材研究用		> 99.8%(T)	2 kg

Magnesium(II) bis(trifluoromethanesulfonyl)imide

$\text{Mg}^{2+} 2[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	133395-16-1 $\text{Mg}[\text{N}(\text{SO}_2\text{CF}_3)_2]_2$ 584.61	49210-18	SOLVI	M1208C	99.5%	10 g

Zinc(II) bis(trifluoromethanesulfonyl)imide

$\text{Zn}^{2+} 2[(\text{CF}_3\text{SO}_2)_2\text{N}]^-$	168106-25-0 $\text{Zn}[\text{N}(\text{SO}_2\text{CF}_3)_2]_2$ 625.68	49210-21	SOLVI	M3008B	99.5%	10 g

1,1,1-Trifluoro-*N*-[(trifluoromethyl)sulfonyl]methanesulfonamide

$\text{F}_3\text{C}-\text{S}(=\text{O})_2-\text{N}(\text{H})-\text{S}(=\text{O})_2-\text{CF}_3$	82113-65-3 $\text{C}_2\text{F}_6\text{HNO}_4\text{S}_2$ 281.16	41075-35	素材研究用		> 98%(T)	25 g
		41075-15	素材研究用		> 98%(T)	250 g
		38760-1A	TFS	38760-0010	> 98.5%	1 g
		38760-2A	TFS	38760-0050	> 98.5%	5 g
		38760-3A	TFS	38760-0250	> 98.5%	25 g

1,1,2,2,3,3,4,4,4-Nonafluoro-*N*-[nonafluorobutyl)sulfonyl]-1-butanesulfonamide

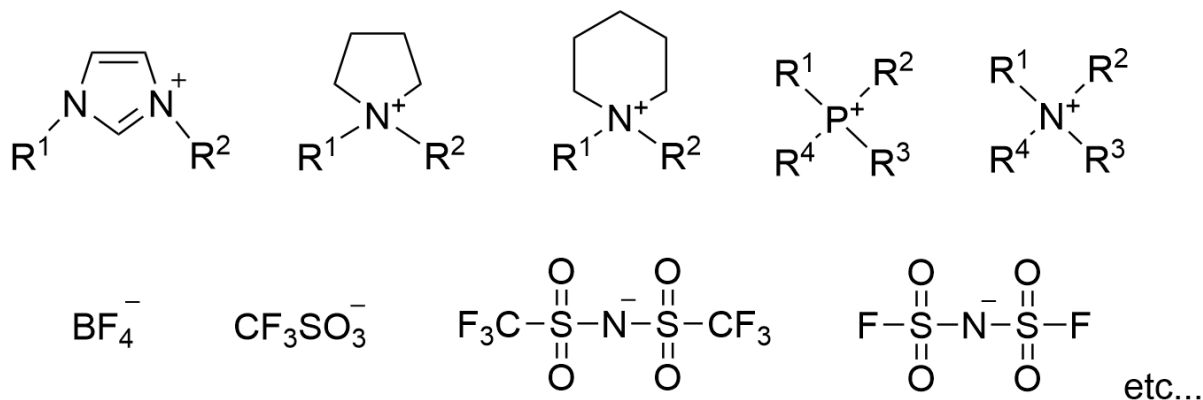
$\text{F}_9\text{C}_4-\text{S}(=\text{O})_2-\text{N}(\text{H})-\text{S}(=\text{O})_2-\text{C}_4\text{F}_9$	39847-39-7 $\text{C}_8\text{F}_{18}\text{HNO}_4\text{S}_2$ 581.20	28395-55	素材研究用		> 98%	5 g



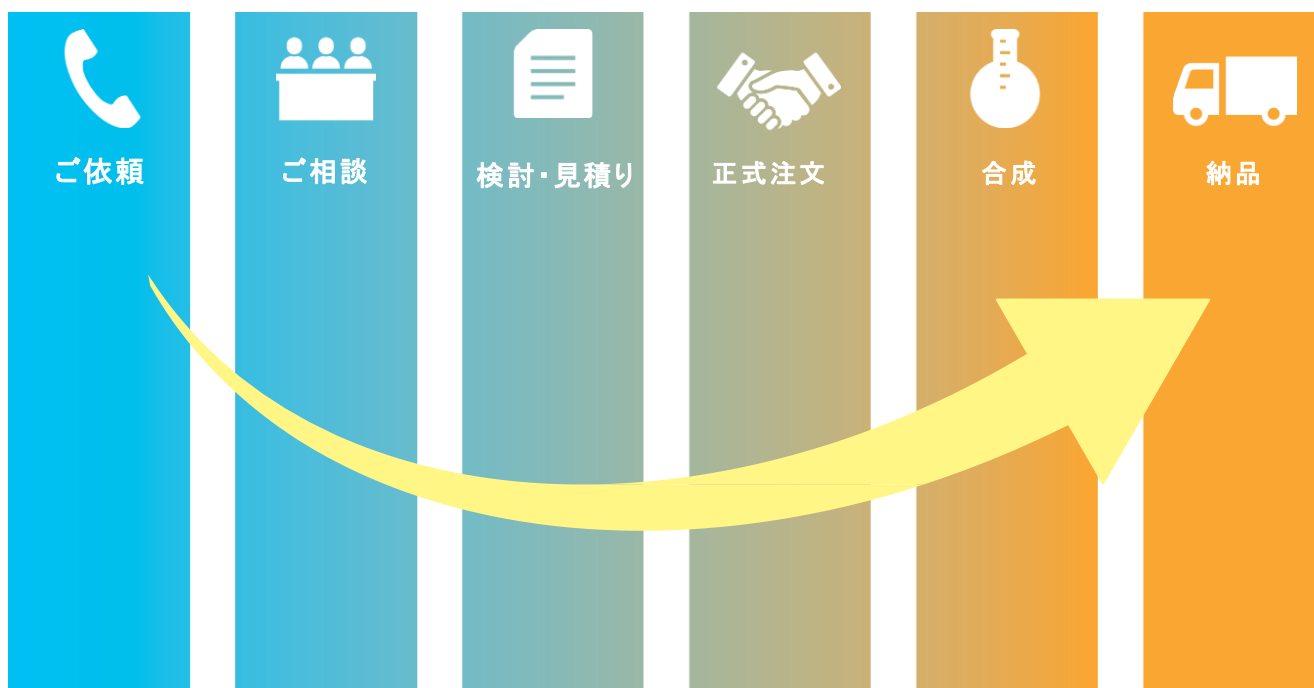
受託合成

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