

Potassium Organotrifluoroborates



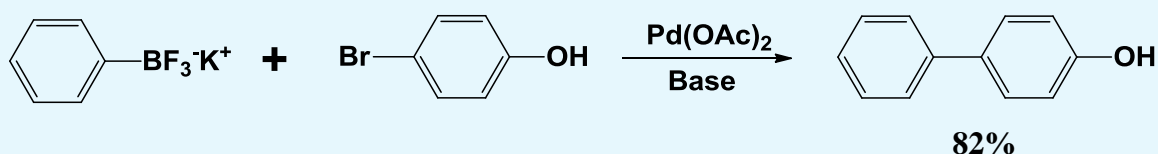
Kanto Reagents

Potassium Organotrifluoroborates is expected to use as a substitute of Boron acid which is used at Suzuki-Miyaura coupling reaction.

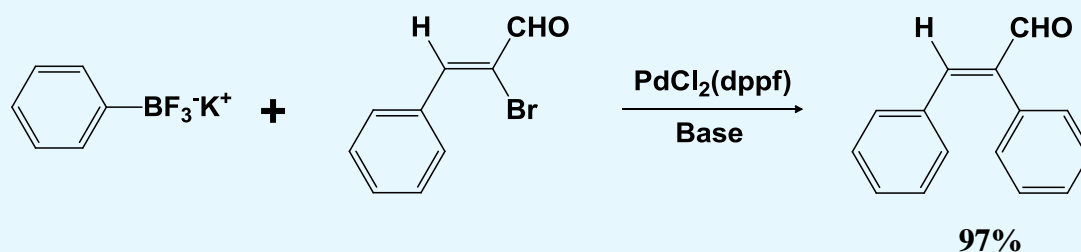
Our product is **stable solid at air and moisture condition**, and easy to handle.

○ Suzuki-Miyaura Coupling reaction examples

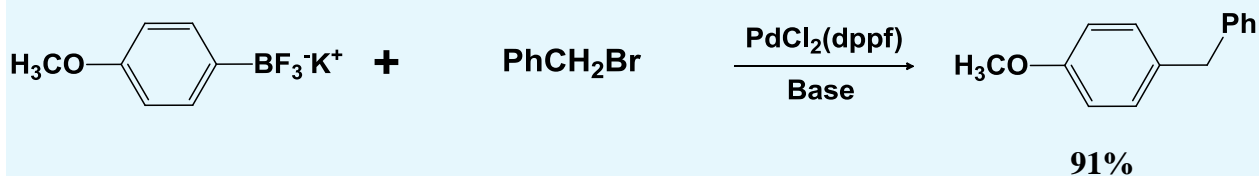
• Aryl/aryl cross-coupling¹⁾



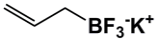
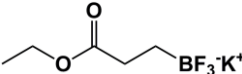
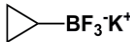
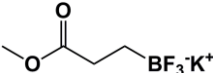
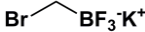
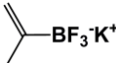
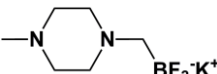
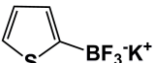
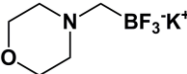
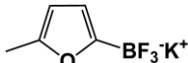
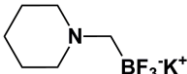
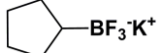
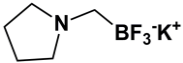
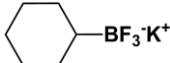
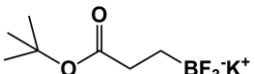
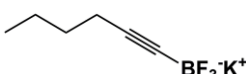
• Aryl/alkenyl cross-coupling^{1), 2)}

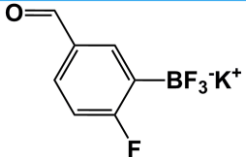
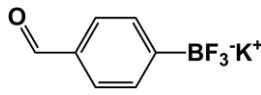
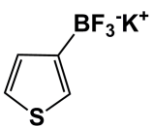
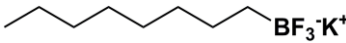
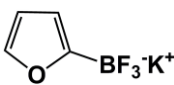
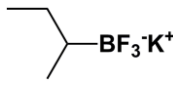
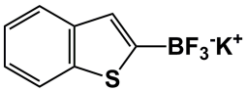
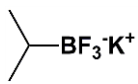
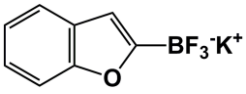
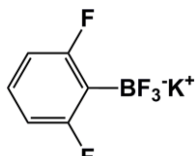
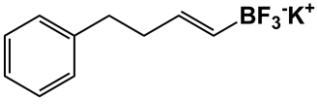
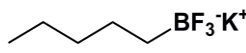
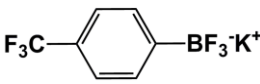
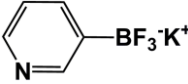
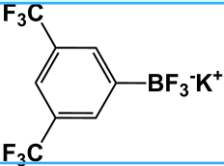


• Aryl/benzyl cross-coupling^{1), 3)}



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Allyltrifluoroborate potassium salt	Potassium 3-trifluoroboropropionate ethyl ester
 <p>01640-65 1 g [233664-53-4]</p>	 <p>34376-65 1 g [1023357-64-3]</p>
Cyclopropyl trifluoroborate potassium salt	Potassium 3-trifluoroboropropionate methyl ester
 <p>07664-65 1 g [1065010-87-8]</p>	 <p>34377-65 1 g [1023357-63-2]</p>
Potassium bromomethyl trifluoroborate	Potassium isopropenyltrifluoroborate
 <p>34370-65 1 g [888711-44-2]</p>	 <p>34378-65 1 g [395083-14-4]</p>
Potassium 1-methyl-4-trifluoroboratomethylpiperazine	Potassium thiophene-2-trifluoroborate
 <p>34371-65 1 g [1015484-22-6]</p>	 <p>34379-65 1 g [906674-55-3]</p>
Potassium 1-trifluoroboratomethylmorpholine	Potassium 5-methylfuran-2-trifluoroborate
 <p>34372-65 1 g [936329-94-1]</p>	 <p>34380-65 1 g [1111213-54-7]</p>
Potassium 1-trifluoroboratomethylpiperidine	Potassium cyclopentyltrifluoroborate
 <p>34373-65 1 g [888711-54-4]</p>	 <p>34381-65 1 g [1040745-70-7]</p>
Potassium 1-trifluoroboratomethylpyrrolidine	Potassium cyclohexyltrifluoroborate
 <p>34374-65 1 g [888711-53-3]</p>	 <p>34382-65 1 g [446065-11-8]</p>
Potassium 3-trifluoroboropropionate, tert-butyl ester	Potassium 1-hexynyltrifluoroborate
 <p>34375-65 1 g [1023357-66-5]</p>	 <p>34383-65 1 g [244301-59-5]</p>

Potassium 2-fluoro-5-formylphenyltrifluoroborate	Potassium 4-formylphenyltrifluoroborate
 <p>34384-65 1 g [1012868-70-0]</p>	 <p>34393-65 1 g [374564-36-0]</p>
Potassium thiophen-3-yltrifluoroborate	Potassium octyltrifluoroborate
 <p>34385-65 1 g [192863-37-9]</p>	 <p>34394-65 1 g [329976-79-6]</p>
Potassium furan-2-yltrifluoroborate	Potassium sec-butyltrifluoroborate
 <p>34386-65 1 g [166328-14-9]</p>	 <p>34395-65 1 g [958449-00-8]</p>
Potassium benzo[b]thiophene-2-yltrifluoroborate	Potassium isopropyltrifluoroborate
 <p>34387-65 1 g [661465-45-8]</p>	 <p>34396-65 1 g [1041642-13-0]</p>
Potassium benzofuran-2-yltrifluoroborate	Potassium 2,6-difluorophenyltrifluoroborate
 <p>34388-65 1 g [929626-27-7]</p>	 <p>34397-65 1 g [267006-25-7]</p>
Potassium (Z)-4-phenylbutenyl-1-trifluoroborate	n-Pentyltrifluoroborate potassium salt
 <p>34389-65 1 g [852623-46-2]</p>	 <p>34398-65 1 g [872054-60-9]</p>
Potassium 4-(trifluoromethyl)phenyltrifluoroborate	Potassium pyridine-3-yltrifluoroborate
 <p>34391-65 1 g [166328-08-1]</p>	 <p>34399-65 1 g [561328-69-6]</p>
Potassium bis(trifluoromethyl)phenyltrifluoroborate	
 <p>34392-65 1 g [166328-09-2]</p>	

Related Product

Name	CAS	Cat.#	Package
Potassium hydrogenfluoride (KHF ₂)	7789-29-9	32308-01	500 g

KHF₂ is used as reagent chemical to synthesis Potassium Organotrifluoroborates.

Reaction
example¹⁾



We Kanto Chemical is ready many other coupling reaction reagents as right brochure. Additionally, we can provide "Huge package" size. Please feel free to contact us or local distributors.

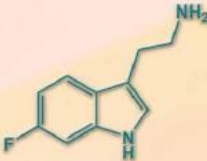
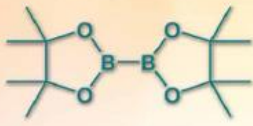


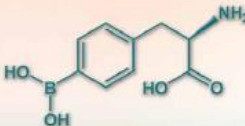
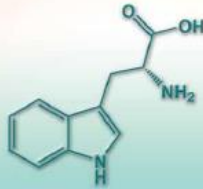
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<Reference>

- 1) G. A. Molander and Noel Ellis, *Acc. Chem. Res.*, **2007**, *40*, 275–286.
- 2) Molander, G. A.; T. Fumagalli, T., *J. Org. Chem.*, **2006**, *71*, 5743-5747.
- 3) Molander, G. A.; Elia, M., *J. Org. Chem.*, **2006**, *71*, 9198-9202.

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