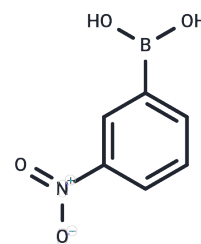


3-Nitrophenylboronic acid

Chemical Properties

CAS No. :	13331-27-6
Formula:	C ₆ H ₆ BN ₂ O ₄
Molecular Weight:	166.93
Storage:	Store at RT Actual storage temperature shall be subject to the COA.



Biological Description

Description	3-Nitrophenylboronic acid have various application in organic chemistry. such as: facilitates the ene carbocyclization of acetylenic dicarbonyl compounds; participate in copper-catalyzed arylation; palladium-catalyzed decarboxylative coupling; Suzuki-Miyaura cross-coupling; and oxidative carbocyclization/arylation reactions.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 180 mg/mL (1078.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9905 mL	29.9527 mL	59.9053 mL
5 mM	1.1981 mL	5.9905 mL	11.9811 mL
10 mM	0.5991 mL	2.9953 mL	5.9905 mL
50 mM	0.1198 mL	0.5991 mL	1.1981 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Miyamoto C, et al. Kinetic evidence for high reactivity of 3-nitrophenylboronic acid compared to its conjugate boronate ion in reactions with ethylene and propylene glycols. Inorg Chem. 2008 Mar 3;47(5):1417-9.

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