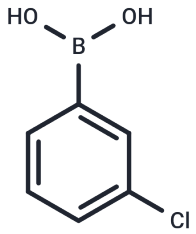
Data Sheet (Cat.No.T77514)

TargetMol

3-Chlorophenylboronic acid

Chemical Properties



CAS No. : 63503-60-6

Formula: C6H6BClO2

Molecular Weight: 156.37

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	3-Chlorophenylboronic acid, a phenylboronic acid derivative, is an important intermediate in the synthesis of prolyl hydroxylase inhibitors, and can be used to synthesize a variety of compounds.The IC50 of 3-Chlorophenylboronic acid for lysophospholipase LYPLA2 was 0.418 μM.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (351.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3951 mL	31.9754 mL	63.9509 mL
5 mM	1.279 mL	6.3951 mL	12.7902 mL
10 mM	0.6395 mL	3.1975 mL	6.3951 mL
50 mM	0.1279 mL	0.6395 mL	1.279 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

Zimmermann TJ, et al. Boron-based inhibitors of acyl protein thioesterases 1 and 2. Chembiochem. 2013;14(1): 115-122.

Julian Adams, et al. Inhibitors of fatty acid amide hydrolase. US9108989B2.

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