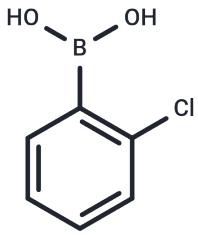
Data Sheet (Cat.No.T77513)

TargetMol

2-Chlorophenylboronic acid

Chemical Properties



CAS No. : 3900-89-8

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	2-Chlorophenylboronic acid is a monohalogenated phenylboronic acid, which is an important pharmaceutical intermediate and is widely used in the synthesis of new drugs.2-Chlorophenylboronic acid has an inhibitory effect on fatty acid amidase with a Ki value of 0.01-1 μM, and is used in the study of depression, glaucoma, neuropathic pain, anxiety, migraine, I diabetes and gastritis. , migraine, type I diabetes and gastritis.
Targets(IC50)	FAAH

Solubility Information

Solubility	DMSO: 60 mg/mL (383.71 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

Adams Julian, et al. Preparation of arylboronates as inhibitors of fatty acid amide hydrolase. WO2008063300 A2.

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