

1-(aminomethyl)cyclopropanecarboxylic acid hydrochloride

Chemical Properties

CAS No. : 1421601-23-1

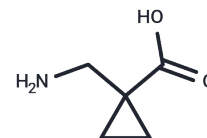
Formula: C₅H₁₀ClNO₂

Molecular Weight: 151.59

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	1-(aminomethyl)cyclopropanecarboxylic acid hydrochloride inhibits L amino acid transporter proteins and the $\alpha_2\delta$ subunit of voltage-gated calcium channels. 1-(aminomethyl)cyclopropanecarboxylic acid hydrochloride can be used as a biological module for the synthesis of active biochemical reagents.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (362.82 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	6.5967 mL	32.9837 mL	65.9674 mL
5 mM	1.3193 mL	6.5967 mL	13.1935 mL
10 mM	0.6597 mL	3.2984 mL	6.5967 mL
50 mM	0.1319 mL	0.6597 mL	1.3193 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

Žukauskaitė A, et al. Synthesis of new functionalized aziridine-2- and azetidine-3-carboxylic acid derivatives of potential interest for biological and foldameric applications. *Amino Acids*. 2011;41(3):541-558.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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