

4-(Dimethylamino)butanoic acid hydrochloride

Chemical Properties

CAS No. :	69954-66-1
Formula:	C ₆ H ₁₄ ClNO ₂
Molecular Weight:	167.634
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	4-(Dimethylamino)butanoic acid hydrochloride is an amine compound exhibiting weak inhibitory activity against human gamma-butyrobetaine hydroxylase (IC ₅₀ =203 μM), suitable for biochemical experiments and drug synthesis research.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9655 mL	29.8276 mL	59.6552 mL
5 mM	1.1931 mL	5.9655 mL	11.931 mL
10 mM	0.5966 mL	2.9828 mL	5.9655 mL
50 mM	0.1193 mL	0.5966 mL	1.1931 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

Leung IK, Krojer TJ, Kochan GT, et al. Structural and mechanistic studies on γ-butyrobetaine hydroxylase. Chem Biol. 2010;17(12):1316-1324.

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