

Butan-1-amine hydrochloride

Chemical Properties

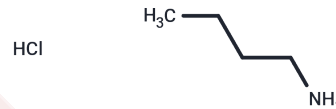
CAS No. : 3858-78-4

Formula: C₄H₁₂ClN

Molecular Weight: 109.6

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	1-Butylamine hydrochloride is the salt form of butylamine, a potential agonist of Nrf2/ARE (Nuclear Factor Erythroid 2 Associated Factor 2/Antioxidant Response Element).
Targets(IC50)	Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.1241 mL	45.6204 mL	91.2409 mL
5 mM	1.8248 mL	9.1241 mL	18.2482 mL
10 mM	0.9124 mL	4.562 mL	9.1241 mL
50 mM	0.1825 mL	0.9124 mL	1.8248 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

Zou, X., Jin, Z., Yang, H., Wu, F., Ren, Z., & Guan, Z. (2024). Palladium-Catalyzed Inward Isomerization Hydroaminocarbonylation of Alkenes. *Angewandte Chemie International Edition*, 63(26).

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