

SHMT-IN-3

Chemical Properties

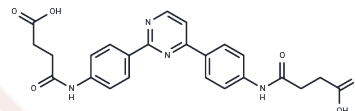
CAS No. : 330638-43-2

Formula: C₂₄H₂₂N₄O₆

Molecular Weight: 462.46

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	SHMT-IN-3 (Hit 1) is an inhibitor of SHMT1 and SHMT2, exhibiting an IC ₅₀ value of 0.53 μM for human SHMT1. It acts as a non-competitive inhibitor with respect to serine.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1623 mL	10.8117 mL	21.6235 mL
5 mM	0.4325 mL	2.1623 mL	4.3247 mL
10 mM	0.2162 mL	1.0812 mL	2.1623 mL
50 mM	0.0432 mL	0.2162 mL	0.4325 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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