

Spermine Prodrug-1

Chemical Properties

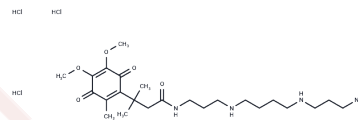
CAS No. : 2576358-68-2

Formula: C₂₄H₄₅Cl₃N₄O₅

Molecular Weight: 576.0

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	Spermine Prodrug-1 is a redox-sensitive spermine prodrug. Spermine Prodrug-1 inhibits wild-type (CMS-24949) and spermine synthase gene (SMS) mutant (CMS-26559, and CMS-6233) fibroblasts with IC ₅₀ values of 326.7, 198.5, and 244.1 μM, respectively. Spermine Prodrug-1 can be used in the treatment of Snyder Robinson syndrome.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7361 mL	8.6806 mL	17.3611 mL
5 mM	0.3472 mL	1.7361 mL	3.4722 mL
10 mM	0.1736 mL	0.8681 mL	1.7361 mL
50 mM	0.0347 mL	0.1736 mL	0.3472 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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