

MS31 trihydrochloride (2366264-12-0 free base)

Chemical Properties

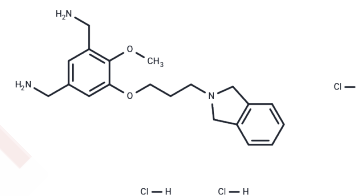
CAS No. :

Formula: C₂₀H₃₀Cl₃N₃O₂

Molecular Weight: 450.83

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	MS31 trihydrochloride (2366264-12-0 free base) is a potent, highly affinity and selective fragment-like methyllysine reader protein spindlin 1 (SPIN1) inhibitor.
Targets(IC50)	Epigenetic Reader Domain
In vitro	MS31 trihydrochloride potently inhibits binding of trimethyllysine-containing peptides to SPIN1, displays high binding affinity, is highly selective for SPIN1 over other epigenetic readers and writers, directly engages SPIN1 in cells, and is not toxic to nontumorigenic cells[1].

Solubility Information

Solubility	DMSO: 60 mg/mL (133.09 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	2.2181 mL	11.0907 mL	22.1813 mL
5 mM	0.4436 mL	2.2181 mL	4.4363 mL
10 mM	0.2218 mL	1.1091 mL	2.2181 mL
50 mM	0.0444 mL	0.2218 mL	0.4436 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

Xiong Y, et al. Discovery of a Potent and Selective Fragment-like Inhibitor of Methyllysine Reader Protein Spindlin 1 (SPIN1). J Med Chem. 2019 Jul 24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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