

MF-094

Chemical Properties

CAS No. : 2241025-68-1

Formula: C₃₀H₃₇N₃O₄S

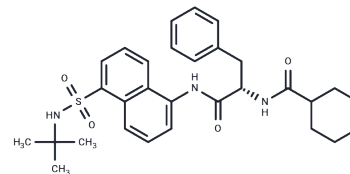
Molecular Weight: 535.7

Appearance: no data available

Storage:

store at low temperature, keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MF-094 is a potent and selective inhibitor of USP30 with IC ₅₀ of 120 nM.
Targets(IC ₅₀)	DUB
In vitro	MF-094 has <30% inhibitory activity against a panel of 22 USPs assays at 10 μM[1].

Solubility Information

Solubility	DMSO: 115 mg/mL (214.67 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	1.8667 mL	9.3336 mL	18.6672 mL
5 mM	0.3733 mL	1.8667 mL	3.7334 mL
10 mM	0.1867 mL	0.9334 mL	1.8667 mL
50 mM	0.0373 mL	0.1867 mL	0.3733 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.

Reference

Kluge AF, et al. Novel highly selective inhibitors of ubiquitin specific protease 30 (USP30) accelerate mitophagy. Bioorg Med Chem Lett. 2018 Aug 15;28(15):2655-2659.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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