

ZM223 hydrochloride (2031177-48-5 free base)

Chemical Properties

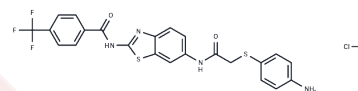
CAS No. :

Formula: C₂₃H₁₈ClF₃N₄O₂S₂

Molecular Weight: 538.99

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	ZM223 hydrochloride is an orally active, potent non-covalent inhibitor of NEDD8 activating enzyme (NAE), and with excellent anticancer activity.
Targets(IC50)	Serine Protease
In vitro	ZM223 hydrochloride (0.1-1 μ M; 4 hours) inhibits both HCT-116 and U-2OS cancer cells (IC50s of 100 and 122 nM, respectively).

Solubility Information

Solubility	DMSO: 150 mg/mL (278.3 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	1.8553 mL	9.2766 mL	18.5532 mL
5 mM	0.3711 mL	1.8553 mL	3.7106 mL
10 mM	0.1855 mL	0.9277 mL	1.8553 mL
50 mM	0.0371 mL	0.1855 mL	0.3711 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

Ma H, et al. Discovery of benzothiazole derivatives as novel non-sulfamide NEDD8 activating enzyme inhibitors by target-based virtual screening. Eur J Med Chem. 2017 Jun 16;133:174-183.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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