

SJB3-019A

Chemical Properties

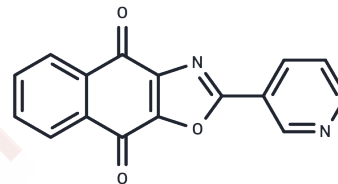
CAS No. : 2070015-29-9

Formula: C₁₆H₈N₂O₃

Molecular Weight: 276.25

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	SJB3-019A is a potent, potent and novel ubiquitin-specific protease 1 (USP1) inhibitor, which promotes ID1 degradation and cytotoxicity in K562 cells 5 times more than SJB2-043, with IC ₅₀ of 0.0781 μM. SJB3-019A inhibits cell proliferation and causes cell apoptosis.
Targets(IC ₅₀)	DUB
In vitro	SJB3-019A with IC ₅₀ of 0.0781 μM is 5 times more potent than SJB2-043 in promoting ID1 degradation and cytoxicity in K562 cells. SJB3-019A increases the levels of Ub-FANCD2 and Ub-PCNA, and decreases the HR activity.

Solubility Information

Solubility	DMSO: 1 mg/mL (3.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6199 mL	18.0995 mL	36.1991 mL
5 mM	0.724 mL	3.6199 mL	7.2398 mL
10 mM	0.362 mL	1.810 mL	3.6199 mL
50 mM	0.0724 mL	0.362 mL	0.724 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

Mistry H, Hsieh G, Buhrlage SJ, et al. Small-molecule inhibitors of USP1 target ID1 degradation in leukemic cells. Mol Cancer Ther. 2013;12(12):2651-2662.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481