

BSJ-03-204

Chemical Properties

CAS No. : 2349356-09-6

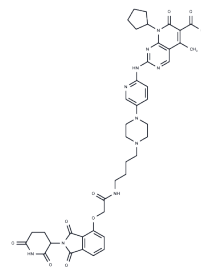
Formula: C43H48N10O8

Molecular Weight: 832.9

Keep away from direct sunlight

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	BSJ-03-204 is a rationally designed PROTAC composed of cereblon and CDK ligands that functions as a potent and selective palbociclib-based CDK4/6 dual degrader, achieving nanomolar inhibition of CDK4/D1 and CDK6/D1 complexes without inducing IKZF1/3 degradation, BSJ-03-204 exhibit strong anticancer activity with improved selectivity.
Targets(IC50)	CDK
In vitro	In wild-type cells, treatment with BSJ-03-204 (0.1-5 μ M) for 4 hours induced the rapid degradation of CDK4/6 without affecting IKZF1/3 levels. In Mantle Cell Lymphoma (MCL) cell lines, the compound demonstrated potent anti-proliferative activity across a broad concentration range (0.0001-100 μ M) over 3 to 4 days [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (96.05 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	1.2006 mL	6.0031 mL	12.0062 mL
5 mM	0.2401 mL	1.2006 mL	2.4012 mL
10 mM	0.1201 mL	0.6003 mL	1.2006 mL
50 mM	0.024 mL	0.1201 mL	0.2401 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

Jiang et al (2019) Development of dual and selective degraders of cyclin-dependent kinases 4 and 6. Angew. Chem. Int. Ed. Engl. 58 6321

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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