

A1874

Chemical Properties

CAS No. : 2064292-12-0

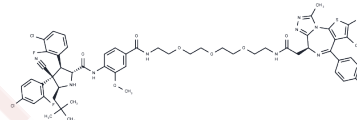
Formula: C₅₈H₆₂Cl₃F₂N₉O₇S

Molecular Weight: 1173.59

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	A1874 is a nutlin-based and BRD4-degrading PROTAC which induces BRD4 degradation in cells. Effective in inhibiting many cancer cell lines proliferation.
Targets(IC50)	Epigenetic Reader Domain,PROTACs

Solubility Information

Solubility	DMSO: 150 mg/mL (127.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (3.41 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8521 mL	4.2604 mL	8.5209 mL
5 mM	0.1704 mL	0.8521 mL	1.7042 mL
10 mM	0.0852 mL	0.426 mL	0.8521 mL
50 mM	0.017 mL	0.0852 mL	0.1704 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

Hines J, Lartigue S, Dong H.et.al.MDM2-Recruiting PROTAC Offers Superior, Synergistic Antiproliferative Activity via Simultaneous Degradation of BRD4 and Stabilization of p53[J].Cancer Res. 2019 Jan 1;79(1):251-262.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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