

BI-3663

Chemical Properties

CAS No. : 2341740-84-7

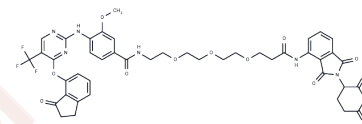
Formula: C44H42F3N7O12

Molecular Weight: 917.84

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	BI-3663 is a highly selective PTK2/FAK PROTAC that utilizes cereblon ligands to hijack E3 ligases for PTK2 degradation, with an IC50 of 18 nM. It is composed of BI-4464 linked to Pomalidomide with a linker[1]. Anti-cancer.
Targets(IC50)	FAK,PROTACs
In vitro	BI-3663 potently degrades PTK2 in Hep3B2.1-7 cells, and A549 cells, with pDC50s of 7.6 and 7.9, respectively[1].

Solubility Information

Solubility	DMSO: 300 mg/mL (326.85 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: 5 mg/mL (5.45 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	1.0895 mL	5.4476 mL	10.8951 mL
5 mM	0.2179 mL	1.0895 mL	2.179 mL
10 mM	0.109 mL	0.5448 mL	1.0895 mL
50 mM	0.0218 mL	0.109 mL	0.2179 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

Popow J, et al. Highly Selective PTK2 Proteolysis Targeting Chimeras to Probe Focal Adhesion Kinase Scaffolding Functions. *J Med Chem.* 2019 Mar 14;62(5):2508-2520.

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