

## PROTAC B-Raf degrader 1

## Chemical Properties

CAS No. : 2364367-27-9

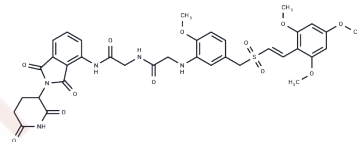
Formula: C<sub>36</sub>H<sub>37</sub>N<sub>5</sub>O<sub>12</sub>S

Molecular Weight: 763.77

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	PROTAC B-Raf degrader 1 is a proteolysis targeting chimera (PROTAC) for the degradation of B-Raf, PROTAC B-Raf degrader 1 With anti-cancer activity.
Targets(IC <sub>50</sub> )	Raf, PROTACs
In vitro	PROTAC B-Raf degrader 1 towards MCF-7, MDA-MB-231, HepG2, LO2 and B16 cells with IC <sub>50</sub> values of 2.7 μM, 21.21 μM, 18.70 μM, 41.11 μM and 22.68 μM, respectively[1].

## Solubility Information

Solubility	DMSO: 25 mg/mL (32.73 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: 2 mg/mL (2.62 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.3093 mL	6.5465 mL	13.0929 mL
5 mM	0.2619 mL	1.3093 mL	2.6186 mL
10 mM	0.1309 mL	0.6546 mL	1.3093 mL
50 mM	0.0262 mL	0.1309 mL	0.2619 mL

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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

Chen H, et al. Pomalidomide hybrids act as proteolysis targeting chimeras: Synthesis, anticancer activity and B-Raf degradation. Bioorg Chem. 2019 Mar 19;87:191-199.

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