

## PROTAC BET degrader-2

### Chemical Properties

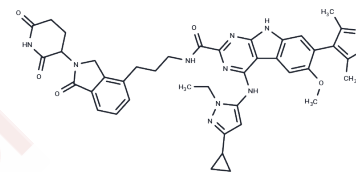
CAS No. : 2093388-33-9

Formula: C<sub>41</sub>H<sub>42</sub>N<sub>10</sub>O<sub>6</sub>

Molecular Weight: 770.84

Storage: Keep away from direct sunlight  
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 BET degrader-2 is a highly potent degrader of Bromodomain and Extra-Terminal (BET) proteins, with an IC <sub>50</sub> of 9.6 nM.
Targets(IC <sub>50</sub> )	Epigenetic Reader Domain,PROTACs
In vitro	PROTAC BET degrader-2 is a highly potent Bromodomain and Extra-Terminal (BET) proteins degrader (IC <sub>50</sub> value of 9.6 nM in cell growth inhibition in the RS4);11 cells and capable of achieving tumor regression[1].

### Solubility Information

Solubility	DMSO: 50 mg/mL (64.86 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: 2.5 mg/mL (3.24 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	1.2973 mL	6.4864 mL	12.9729 mL
5 mM	0.2595 mL	1.2973 mL	2.5946 mL
10 mM	0.1297 mL	0.6486 mL	1.2973 mL
50 mM	0.0259 mL	0.1297 mL	0.2595 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

Zhou B, et al. Discovery of a Small-Molecule Degradator of Bromodomain and Extra-Terminal (BET) Proteins with Picomolar Cellular Potencies and Capable of Achieving Tumor Regression. J Med Chem. 2018 Jan 25;61(2):462-481.

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