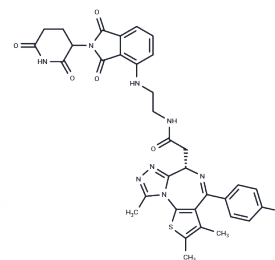


Dbet57

## Chemical Properties

CAS No. :	1883863-52-2
Formula:	C34H31ClN8O5S
Molecular Weight:	699.18
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	dBET57 is heterobifunctional degrader of BRD4 based on the PROTAC technology, exhibits significant degradation of BRD4BD1 with a DC50/5h of 500 nM ,and inactive on BRD4BD2
Targets(IC50)	Apoptosis,Epigenetic Reader Domain,PROTACs

## Solubility Information

Solubility	DMSO: 245 mg/mL (350.41 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 (7.15 mM) <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	1.4302 mL	7.1512 mL	14.3025 mL
5 mM	0.286 mL	1.4302 mL	2.8605 mL
10 mM	0.143 mL	0.7151 mL	1.4302 mL
50 mM	0.0286 mL	0.143 mL	0.286 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

Nowak RP, et al. Plasticity in binding confers selectivity in ligand-induced protein degradation. Nat Chem Biol. 2018 Jul;14(7):706-714.

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