Product Data Sheet

Product Name: MS181
Cat. No.: GC73800

Chemical Properties

Cas. No.

Formula	$C_{39}H_{41}N_{11}O_6$	M.Wt	759.81
Solubility	DMSO : 100 mg/mL (131.61 mM; Need ultrasonic)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Caution: Product has not been fully validated for medical applications. For research use only.
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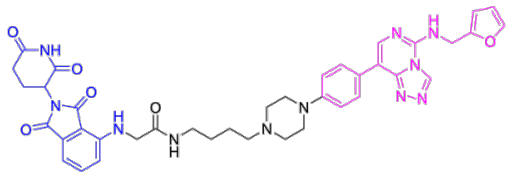
Structure



Background

MS181 (compound 1) is a potent cereblon (CRBN)-recruiting and EED-binding polycomb repressive complex 1 (PRC1) PROTAC degrader. MS181 decreases the expression of EED, EZH2, SUZ12, BMI1 and RING1B. MS181 shows antiproliferative activity (Strtucture Note: Red, EED binder ; Blue, CRBN ligand ; Black, Linker 7).

MS181 (compound 1) (0, 0.1, 0.3, 1, 3, 10 μM; 24 h) decreases the expression of EED, EZH2, SUZ12, BMI1 and RING1B in a dose dependent manner[1].

MS181 (50 mg/kg; i.p.; once) shows bioavailable in mice[1].

References:

[1]. Kabir M, et al. Discovery and Characterization of a Novel Cereblon-Recruiting PRC1 Bridged

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PROTAC Degrader. J Med Chem. 2024 Apr 25;67(8):6880-6892.