Pomalidomide 4'-PEG5-acid

Cat. No.: HY-131647

CAS No.: 2139348-63-1

Molecular Formula: $C_{26}H_{35}N_3O_{11}$

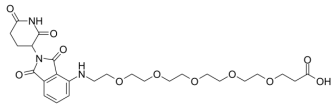
Molecular Weight: 566

Target: E3 Ligase Ligand-Linker Conjugates

Pathway: PROTAC

Storage: -20°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 50 mg/mL (88.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7668 mL	8.8339 mL	17.6678 mL
	5 mM	0.3534 mL	1.7668 mL	3.5336 mL
	10 mM	0.1767 mL	0.8834 mL	1.7668 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Pomalidomide 4'-PEG5-acid (Pomalidomide-PEG5-CO2H) is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide based cereblon ligand and 5-unit PEG linker used in PROTAC technology[1].

IC_{50} & Target

Cereblon

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. [1]Jing Liu, et al. Cyclic-amp response element binding protein (cbp) and/or adenoviral e1a binding protein of 300 kda (p300) degradation compounds and methods of use. WO2020173440A1.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA