Tz-Thalidomide

Cat. No.: HY-101460

CAS No.: 2087490-42-2

Molecular Formula: $C_{29}H_{29}N_7O_6$

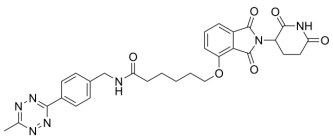
Molecular Weight: 571.58

Target: PROTACs; Epigenetic Reader Domain; Molecular Glues

Pathway: PROTAC; Epigenetics

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (87.48 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.7495 mL	8.7477 mL	17.4954 mL
5 mM	0.3499 mL	1.7495 mL	3.4991 mL
10 mM	0.1750 mL	0.8748 mL	1.7495 mL

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

BIOLOGICAL ACTIVITY

Description

Tz-Thalidomide is a tetrazine tagged Thalidomide (HY-14658) (Ligands for E3 Ligase). Tz-Thalidomide has binding affinity for BRD4, with IC_{50}s of 46.25 μM (BRD4-1) and 62.55 μM (BRD4-2). Tz-Thalidomide is a click chemistry reagent, it contains a Tetrazine group that can undergo an inverse electron demand Diels-Alder reaction (iEDDA) with molecules containing TCO groups[1].

IC_{50} & Target

Cereblon

REFERENCES

[1]. Lebraud H, et al. Protein Degradation by In-Cell Self-Assembly of Proteolysis Targeting Chimeras. ACS Cent Sci. 2016 Dec 28;2(12):927-934.

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

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