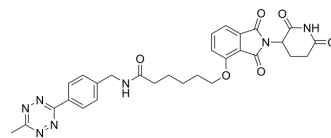


## Tz-Thalidomide

<b>Cat. No.:</b>	HY-101460		
<b>CAS No.:</b>	2087490-42-2		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>29</sub> N <sub>7</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	571.58		
<b>Target:</b>	PROTACs; Epigenetic Reader Domain; Molecular Glues		
<b>Pathway:</b>	PROTAC; Epigenetics		
<b>Storage:</b>	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)

Concentration	Mass		
	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<sub>50</sub>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<sup>[1]</sup>.

#### IC<sub>50</sub> & 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.

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

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