# Data Sheet (Cat.No.T39604)



## Thalidomide-NH-PEG4-Ms

Chemical Propert	ies
CAS No. :	2140807-24-3
Formula:	C22H29N3010S
Molecular Weight:	527.55 <b>O</b>
Appearance: 🦲	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

<b>Biological Description</b>	JC A
Description	Thalidomide-NH-PEG4-Ms is a conjugate that consists of a cereblon ligand based on Thalidomide and a linker molecule, which serves as a ligand-linker moiety for E3 ligase. This conjugate is specifically designed as a degrader for PROTAC BCL-XL, known as XZ739.
In vitro	XZ739, functioning as a CRBN-dependent PROTAC BCL-XL degrader, exhibits a potent activity with a DC50 of 2.5 nM in MOLT-4 cells, post a 16-hour exposure. Additionally, it promotes caspase-mediated apoptosis, leading to cell death[1].

#### **Preparing Stock Solutions**

¢	1mg	5mg 🛞	10mg
1 mM	1.8956 mL	9.4778 mL	18.9555 mL
5 mM	0.3791 mL	1.8956 mL	3.7911 mL
10 mM	0.1896 mL	0.9478 mL	1.8956 mL
50 mM	0.0379 mL	0.1896 mL	0.3791 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.

#### Reference

Xuan Zhang, et al. Discovery of PROTAC BCL-X L Degraders as Potent Anticancer Agents With Low On-Target Platelet Toxicity. Eur J Med Chem. 2020 Apr 15;192:112186.

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