

## Product Data Sheet

Product Name: Thalidomide-PEG5-NH2 hydrochloride  
Cat. No.: GC67740

### Chemical Properties

Cas. No. 2703775-06-6

Formula  $C_{23}H_{32}ClN_3O_9$  M.Wt 529.97

Solubility DMSO : 125 mg/mL (235.86 mM; Need ultrasonic) Storage Store at -20°C, away from moisture

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.

Structure

### Background

Thalidomide-PEG5-NH2 hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and a linker used in PROTAC technology<sup>[1]</sup>.

PROTAC  E3  PROTAC   
<sup>[2]</sup>

[1]. Sato T, et al. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. *Front Cell Dev Biol.* 2021;9:629326. Published 2021 Mar 11.

[2]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol.* 2020;27(8):998-1005.

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