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**Product Data Sheet**

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Product Name: Thalidomide-O-PEG4-NHS ester

Cat. No.: GC63529

**Chemical Properties**

Cas. No. 2411681-88-2

Formula  $C_{28}H_{33}N_3O_{13}$ 

M.Wt 619.57

Solubility DMSO : 83.33 mg/mL (134.50 mM;  
Need ultrasonic)Storage -20°C, protect from light,  
stored under argon

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-O-PEG4-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].

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].

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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

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