
Product Data Sheet

Product Name: Thalidomide-PEG2-C2-NH2

Cat. No.: GC66644

Chemical Properties

Cas. No. 2093416-32-9

Formula $C_{19}H_{24}N_4O_6$ M.Wt 404.42

Solubility Storage Store at -20°C

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-PEG2-C2-NH2 is a synthesized **E3 ligase ligand-linker conjugate** that incorporates the Thalidomide based cereblon ligand and 2-unit PEG linker used in PROTAC technology^[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]. Wang Z, et al. Proteolysis Targeting Chimeras for the Selective Degradation of Mcl-1/Bcl-2 Derived from Nonselective Target Binding Ligands. J Med Chem. 2019 Sep 12;62(17):8152-8163.

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

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