

Product Data Sheet

Product Name: Thalidomide-O-C6-NH₂

Cat. No.: GC67478

Chemical Properties

Cas. No. 1957235-98-1

Formula C₁₉H₂₃N₃O₅

M.Wt 373.4

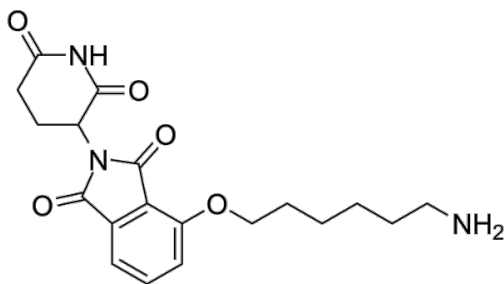
Solubility

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-O-C6-NH₂ is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and a 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^[2].

[1]. Erb MA, et al. Transcription control by the ENL YEATS domain in acute leukaemia. Nature. 2017

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

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Mar 9;543(7644):270-274.

[2]. 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.

[3]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol.* 2020;27(8):998-985.

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