

Product Data Sheet

Product Name: Thalidomide-NH-CH₂-COOH

Cat. No.: GC62378

Chemical Properties

Cas. No. 927670-97-1

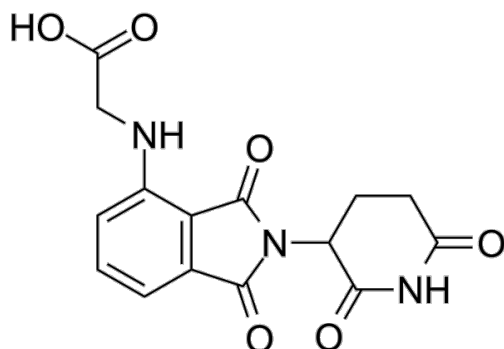
Formula C₁₅H₁₃N₃O₆ M.Wt 331.28

Solubility DMSO : 50 mg/mL (150.93 mM; Need ultrasonic) 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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Thalidomide-NH-CH₂-COOH is the Thalidomide-based cereblon ligand used in the recruitment of CRBN protein. Thalidomide-NH-CH₂-COOH can be connected to the ligand for protein by a linker to form PROTACs, such as THAL-SNS-032 [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]. Calla M Olson, et al. Pharmacological perturbation of CDK9 using selective CDK9 inhibition or degradation. Nat Chem Biol. 2018 Feb;14(2):163-170.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA