

Product Data Sheet

Product Name: (S)-Thalidomide 4-fluoride

Cat. No.: GC80975

Chemical Properties

Cas. No. 911109-85-8

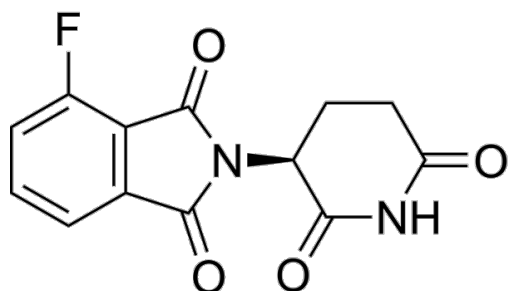
Formula $C_{13}H_9FN_2O_4$ M.Wt 276.22

Solubility DMSO: 66.67 mg/mL (241.37 mM; Storage Store at -20°C
Need ultrasonic)

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

(S)-Thalidomide 4-fluoride is a CRBN E3 ligase ligand that can be used for synthesis of DeDPP4.

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

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In Vitro, 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.

References:

[1]. Wang Z, et al. Targeted Degradation of Dipeptidyl Peptidase-4 via Proteolysis-Targeting Chimera Technology for Sustained Glycemic Control in Type 2 Diabetes. J Med Chem. 2026 Mar 13.

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