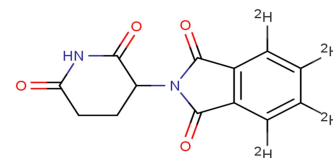


Thalidomide D4

Chemical Properties

CAS No.:	1219177-18-0
Formula:	C ₁₃ H ₆ D ₄ N ₂ O ₄
Molecular Weight:	262.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Thalidomide D4 is a deuterium labeled Thalidomide, has immunomodulatory, anti-inflammatory and anti-angiogenic cancer properties.
Targets(IC ₅₀)	CRL4CRBN: (kd)~250 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.813 mL	19.066 mL	38.132 mL
5 mM	0.763 mL	3.813 mL	7.626 mL
10 mM	0.381 mL	1.907 mL	3.813 mL
50 mM	0.076 mL	0.381 mL	0.763 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Fischer ES, et al. Structure of the DDB1-CRBN E3 ubiquitin ligase in complex with thalidomide. Nature. 2014 Aug 7;512(7512):49-53.
2. Sun X, et al. Synergistic Inhibition of Thalidomide and Icotinib on Human Non-Small Cell Lung Carcinomas Through ERK and AKT Signaling. Med Sci Monit. 2018 May 15;24:3193-3203.

Inhibitors · Natural Compounds · Compound Libraries

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