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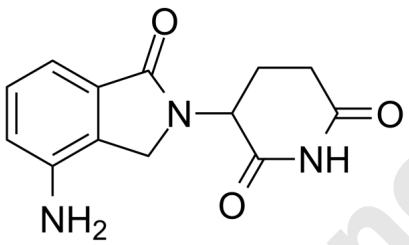
Data Sheet

Product Information

Catalog Number	BP10876
Product Name	Lenalidomide
Description	Lenalidomide is a potent inhibitor of TNF-α that, at 10 μM, alters gene expression and cell viability in a range of cancer cell lines.
Targets&IC50	TNF-α: 13 nM
In vitro	The human NSCLC cell lines Lu-99, H1299, A549, EBC1, and H460 were cultured in RPMI-1640 medium containing 10% fetal bovine serum and antibiotics at 37°C in a humidified chamber containing 5% CO2. Cells were seeded into 60-mm culture dishes (2x10^5 cells per dish) with various concentrations of lenalidomide and incubated for various times.
In vivo	Mice were administered sterile preparations of lenalidomide normalized to body weight. Intravenously (IV) dosed animals received drug by bolus tail vein injections, and extravascularly dosed mice received drug by bolus intraperitoneal injections (IP) or oral gavage (PO). Dosing solution, concentrations were adjusted so dose volumes ranged between approximately 100 and 150 μL for IV injections and between approximately 150 and 250 μL for IP and PO dosing in the pharmacokinetic study. However, for the range-finding study, increased dose volumes were used (up to 200 μL IV, 300 μL IP, and 600 μL PO, per approved animal use protocol) to explore elevated lenalidomide doses. The bolus injection rates for all IV, IP, or PO injections were less than 5 s. Concentrations of dosing solutions were verified by liquid chromatography-mass spectrometry.
Synonyms	CC-5013
CAS No.	191732-72-6

Chemical Formula	C13H13N3O3
Molecular Weight	259.265
Solubility	DMSO: 25.9 mg/mL(100 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

https://www.purduebio.com

1-877.618.7311

info@purduebio.com

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