



LKT Laboratories, Inc.

Lenalidomide

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID L1852

CAS No. 191732-72-6

Chemical Name

Synonym CC-5013, Revlimid

Formula $C_{13}H_{13}N_3O_3$

Formula Wt. 259.26

Melting Point

Purity $\geq 98\%$

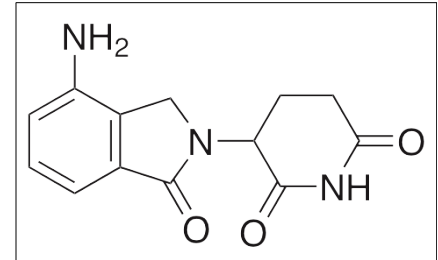
Solubility DMSO (≥ 50 mg/mL). Very slightly soluble in water (≤ 1 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description

Lenalidomide displays anti-inflammatory, anti-angiogenic, immunosuppressive, and anticancer chemotherapeutic benefits in the treatment of multiple myeloma and myelodysplastic syndromes associated with chromosome 5q deletions. Lenalidomide is a derivative of thalidomide and is also currently in clinical trials as a potential treatment for several lymphomas and leukemias; like thalidomide, it may inhibit TNF- α and cereblon. In vitro, lenalidomide upregulates both BH3-interacting domain death agonist (BID) and FOS and downregulated NKX2-1, increasing apoptosis and inhibiting cell proliferation. Additionally, this compound inhibits VEGF-induced PI3K-Akt signaling as well as expression of HIF-1 α .



Bulk quantities available upon request

Product ID	Size
L1852	50 mg
L1852	100 mg
L1852	250 mg
L1852	1 g

References Kim K, An S, Cha HJ, et al. Lenalidomide induces apoptosis and alters gene expression in non-small cell lung cancer cells. *Oncol Lett.* 2013 Feb;5(2):588-592. PMID: 23420263.

Chen Y, Borthakur G. Lenalidomide as a novel treatment of acute myeloid leukemia. *Expert Opin Investig Drugs.* 2013 Mar;22(3):389-97. PMID: 23316859.

Lu L, Payvandi F, Wu L, et al. The anti-cancer drug lenalidomide inhibits angiogenesis and metastasis via multiple inhibitory effects on endothelial cell function in normoxic and hypoxic conditions. *Microvasc Res.* 2009 Mar;77(2):78-86. PMID: 18805433.

Vallet S, Palumbo A, Raje N, et al. Thalidomide and lenalidomide: Mechanism-based potential drug combinations. *Leuk Lymphoma.* 2008 Jul;49(7):1238-45. PMID: 18452080.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.