



LKT Laboratories, Inc.

Apremilast

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Product Information

Product ID A6269

CAS No. 608141-41-9

Chemical Name

Synonym CC-10004; CC10004

Formula $C_{23}H_{25}N_2O_7S$

Formula Wt. 460.51

Melting Point 156.1°C

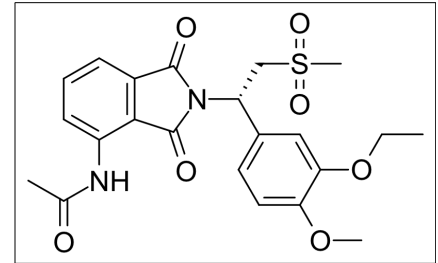
Purity ≥98%

Solubility Insoluble in water. Slightly soluble in ethanol. Soluble in acetone (20mg/mL), DMSO (80 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Apremilast is an inhibitor of phosphodiesterase 4 (PDE4) that is clinically used to treat psoriasis and psoriatic arthritis. Apremilast exhibits anti-inflammatory and immunomodulatory activities, increasing levels of cAMP and IL-10 and decreasing levels of iNOS, IL-23, and TNF- α in vitro and in vivo. An analog of thalidomide.



Bulk quantities available upon request

Product ID	Size
A6269	1 mg
A6269	5 mg
A6269	25 mg

References Schafer PH, Parton A, Capone L, et al. Apremilast is a selective PDE4 inhibitor with regulatory effects on innate immunity. *Cell Signal*. 2014 Sep;26(9):2016-29. PMID: 24882690.

Schafer P. Apremilast mechanism of action and application to psoriasis and psoriatic arthritis. *Biochem Pharmacol*. 2012 Jun 15;83(12):1583-90. PMID: 22257911.

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