



LKT Laboratories, Inc.

PF-06447475

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Product Information

Product ID P2100

CAS No. 1527473-33-1

Chemical Name 3-[4-(4-Morpholinyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile

Synonym

Formula C₁₇H₁₅N₅O

Formula Wt. 305.13

Melting Point

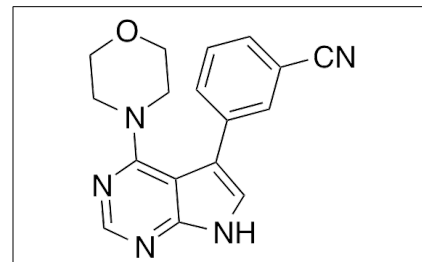
Purity ≥98%

Solubility DMSO 61 mg/mL
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description PF-06447475 inhibits leucine-rich repeat kinase 2 (LRRK2), exhibiting neuroprotective activity. In animal models of Parkinson's disease, this compound suppresses neuroinflammation and neurodegeneration.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2100	5 mg	\$104.60
P2100	25 mg	\$401.80

References Daher JP, Abdelmotilib HA, Hu X, et al. LRRK2 Pharmacological Inhibition Abates α-Synuclein Induced Neurodegeneration. J Biol Chem. 2015 Jun 15. [Epub ahead of print]. PMID: 26078453.

Henderson JL, Kormos BL, Hayward MM, et al. Discovery and preclinical profiling of 3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile (PF-06447475), a highly potent, selective, brain penetrant, and in vivo active LRRK2 kinase inhibitor. J Med Chem. 2015 Jan 8;58(1):419-32. PMID: 25353650.

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