



LKT Laboratories, Inc.

GSK-2578215A

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Product Information

Product ID G733400

CAS No. 1285515-21-0

Chemical Name

Synonym GSK2578215A; Q641JSF42X; ChEMBL2204495; GSK257821A; AK174163; 2-(benzyloxy)-5-(2-fluoropyridin-4-yl)-N-(pyridin-3-yl)benzamide; Benzamide, 5-(2-fluoro-4-pyridinyl)-2-(phenylmethoxy)-N-3-pyridinyl-

Formula C₂₄H₁₈FN₃O₂

Formula Wt. 399.43

Melting Point

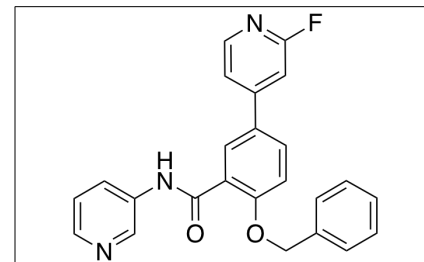
Purity ≥98%

Solubility

Store Temp 4° C

Ship Temp Ambient

Description GSK-2578215A is a selective inhibitor of leucine-rich repeat kinase 2 (LRRK2), a potential therapeutic target for some forms of Parkinson's disease. GSK-2578215A inhibits Ser910 and Ser935 phosphorylation in vitro. It also induces protective autophagy in SH-SY5Y cells.



Bulk quantities available upon request

Product ID **Size**

G733400 5 mg

G733400 25 mg

G733400 100 mg

References Reith A., Bamborough P., et al. GSK2578215A; a potent and highly selective 2-arylmethoxy-5-substituent-N-arylbenzamide LRRK2 kinase inhibitor. *Bioorg Med Chem Lett.* 22(17):5625-9 (2012). PMID: 22863203.

Saez-Atienzar S., Bonet-Ponce L., et al. The LRRK2 inhibitor GSK2578215A induces protective autophagy in SH-SY5Y cells: involvement of Drp-1-mediated mitochondrial fission and mitochondrial-derived ROS signaling. *Cell Death Dis.* 5:e1368 (2014). PMID: 25118928.

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