



LKT Laboratories, Inc.

LGK-974

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Product Information

Product ID L2540

CAS No. 1243244-14-5

Chemical Name 2-[5-methyl-6-(2-methylpyridin-4-yl)pyridin-3-yl]-N-(5-pyrazin-2-ylpyridin-2-yl)acetamide

Synonym LGK974

Formula C₂₃H₂₀N₆O

Formula Wt. 396.44

Melting Point

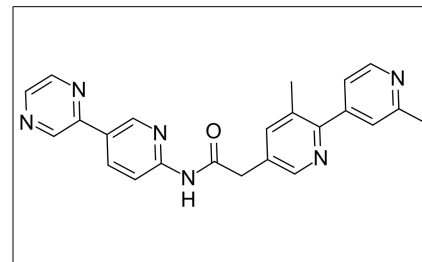
Purity ≥98%

Solubility DMSO 79 mg/mL warmed (199.27 mM)
Water Insoluble
Ethanol Insoluble

Store Temp -20°C

Ship Temp Ambient

Description LGK-974 inhibits PORCN, suppressing Wnt signaling. This compound exhibits anticancer chemotherapeutic activity and is currently in clinical trials. LGK-974 inhibits proliferation and induces differentiation of pancreatic adenocarcinoma xenografts; it also shows efficacy in suppressing tumor growth in animal models of breast cancer and squamous cell carcinoma.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
L2540	1 mg	\$78.80
L2540	5 mg	\$194.30
L2540	25 mg	\$519.80

References Liu J, Pan S, Hsieh MH, et al. Targeting Wnt-driven cancer through the inhibition of Porcupine by LGK974. *Proc Natl Acad Sci U S A*. 2013 Dec 10;110(50):20224-9. PMID: 24277854.

Jiang X, Hao HX, Growney JD, et al. Inactivating mutations of RNF43 confer Wnt dependency in pancreatic ductal adenocarcinoma. *Proc Natl Acad Sci U S A*. 2013 Jul 30;110(31):12649-54. PMID: 23847203.

Jang J, Song J, Lee H, et al. LGK974 suppresses lipopolysaccharide-induced endotoxemia in mice by modulating the crosstalk between the Wnt/beta-catenin and NF-kB pathways. *Exp Mol Med*. 2021 Mar;53(3):407-421. PMID: 33692475.

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