



LKT Laboratories, Inc.

DMH-1

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

Product Information

Product ID D490280

CAS No. 1206711-16-1

Chemical Name 4-[6-(4-propan-2-yloxyphenyl)pyrazolo[1,5-a]pyrimidin-3-yl]quinoline

Synonym DMH1; 4-[6-[4-(1-Methylethoxy)phenyl]pyrazolo[1,5-a]pyrimidin-3-yl]-quinoline

Formula C₂₄H₂₀N₄O

Formula Wt. 380.45

Melting Point

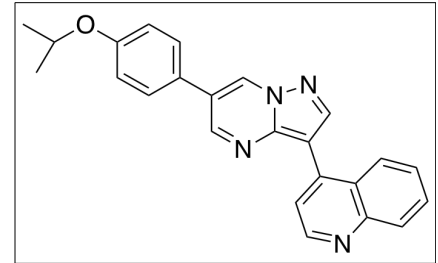
Purity ≥98%

Solubility

Store Temp 4° C

Ship Temp Ambient

Description DMH-1 is a bone morphogenic protein (BMP) type-1 inhibitor and an analog of dorsomorphin. It is a potent inhibitor of activin receptor-like kinase 2 (ALK2). DMH-1 also promotes neurogenesis in human induced pluripotent stem cells when used in combination with SB4-31542, a TGF-β1 inhibitor.



Bulk quantities available upon request

Product ID	Size
D490280	1 mg
D490280	5 mg
D490280	25 mg
D490280	100 mg

References Mohedas A., Xing X., et al. Development of an ALK2-biased BMP type I receptor kinase inhibitor. *ACS Chem Biol.* 8(6):1291-302 (2013). PMID: 23547776.

Neely D., Litt M., et al. DMH1, a Highly Selective Small Molecule BMP Inhibitor Promotes Neurogenesis of hiPSCs: Comparison of PAX6 and SOX1 Expression during Neural Induction. *3(6):482-491* (2012). PMID: 22860217.

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