



LKT Laboratories, Inc.

DMH-1

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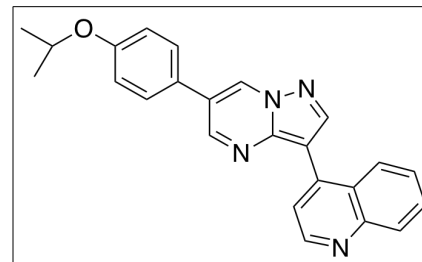
## Product Information

**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** C<sub>24</sub>H<sub>20</sub>N<sub>4</sub>O  
**Formula Wt.** 380.45  
**Melting Point**  
**Purity** ≥99%  
**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. TEST!!!!!!



## Pricing and Availability

*Bulk quantities available upon request*

| Product ID | Size   | List Price |
|------------|--------|------------|
| D490280    | 1 mg   | \$50.00    |
| D490280    | 5 mg   | \$150.00   |
| D490280    | 25 mg  | \$450.00   |
| D490280    | 100 mg | \$1150.00  |

**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.