



**LKT Laboratories, Inc.**

**5-(9-Isopropyl-2-morpholino-9H-purin-6-yl)pyrimidin-2-amine**

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## Product Information

**Product ID** I0010

**CAS No.** 1246535-95-4

**Chemical Name**

**Synonym** Desmethyl-VS-5584, Desmethyl VS5584, Desmethyl VS 5584, VS-5584 Analog

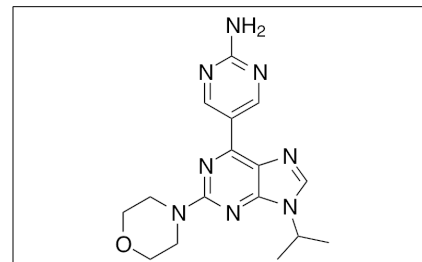
**Formula** C<sub>16</sub>H<sub>20</sub>N<sub>8</sub>O

**Formula Wt.** 340.39

**Melting Point**

**Purity** ≥98%

**Solubility**



## Pricing and Availability

**Bulk quantities available upon request**

| Product ID | Size  | List Price |
|------------|-------|------------|
| I0010      | 5 mg  | \$91.40    |
| I0010      | 25 mg | \$274.00   |

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Desmethyl VS5584 is an intermediate in the synthesis of purine analogs and potential tyrosine kinase inhibitor. This analog is a highly selective PI3K/mTOR kinase inhibitor.

**References** Zhou C, Li X, He A, et al. Development of a UPLC-MS/MS method for the quantification of VS-5584 and its application in pharmacokinetic studies in rats. *J Anal Methods Chem.* 2020 Dec 16;2020:8811522. PMID: 33381351.

Chen Y, Tsai H, Tsai Y, et al. VS-5584, a PI3K/mTOR dual inhibitor, exerts antitumor effects on neuroblastomas in vitro and in vivo. *J Pediatr Surg.* 2021 Aug;56(8):1441-1448. PMID: 33189297.

Xu M, Xu L, Wang Y, et al. BRD4 inhibition sensitizes renal cell carcinoma cells to the PI3K/mTOR dual inhibitor VS-5584. *Aging (Albany NY).* 2020 Oct 13;12(19):19147-19158. PMID: 33051401.

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