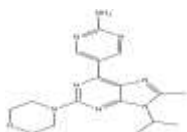


**PRODUCT: VS-5584****ALTERNATE NAME:** 5-(8-methyl-2-morpholin-4-yl-9-propan-2-ylpurin-6-yl)pyrimidin-2-amine; SB2343**CATALOG #:** 9603-1,5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>17</sub>H<sub>22</sub>N<sub>8</sub>O**MOLECULAR WEIGHT:** 354.41**CAS NUMBER:** 1246560-33-7**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~15 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** VS-5584 is a potent and selective PI3K/mTOR kinase inhibitor. It inhibits mTOR (IC<sub>50</sub> = 37 nM) and PI3K (IC<sub>50</sub>s = 16, 68, 25, and 42 nM for the α, β, γ, and δ isoforms, respectively) without relevant activity against more than 400 additional lipid and protein kinases. Also acts as a cancer stem cell inhibitor.**REFERENCE:** Hart, S., *et al.* (2013). *Mol. Cancer Ther.* **12**, 151-161.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)

BI-D1870 (Cat. No. 1824-1, 5)

Deforolimus (Cat. No. 1587-5, 25)

DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)

Everolimus (Cat. No. 1917-5, 25)

GDC-0941 (Cat. No. 1623-1,5)

GSK-2126458 (Cat. No. 1961-1, 5)

IC87114 (Cat. No. 1661-1)

LY 294002 (Cat. No. 1667-5, 25)

OSI-027 (Cat. No. 2372-5, 25)

mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)

mTOR Inhibitor, WYE-28 (Cat. No. 2255-500, 1000)

mTOR Inhibitor, WYE-132 (Cat. No. 2256-500, 1000)

mTOR Inhibitor, WYE-23 (Cat. No. 2257-500, 1000)

PI-103 (Cat. No. 1728-1,5)

PI3-Kγ Inhibitor, AS-605240 (Cat. No. 1780-1,5)

PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)

PP242 (Cat. No. 1658-1)

P529 (Cat. No. 2462-5, 25)

PX-866 (Cat. No. 1965-1,5)

Rapamycin (Cat. No. 1568-5, 50)

EZSolution™ Rapamycin (Cat. No. 1746-5)

Temsirolimus (Cat. No. 1600-5, 25)

TGX-115 (Cat. No. 1660-1)

TGX-221 (Cat. No. 1781-1,5)

Torin 1 (Cat. No. 2273-5, 25)

Torin 2 (Cat. No. 2274-5, 25)

EZSolution™ Torin 1 (Cat. No. 2353-5)

EZSolution™ Torin 2 (Cat. No. 2354-5)

Wortmannin (Cat. No. 1670)

XL765 (Cat. No. 2551-5, 25)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**