

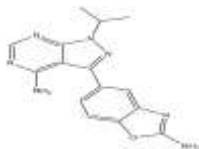
**PRODUCT: INK-128**

**ALTERNATE NAME:** 3-(2-Amino-5-benzoxazolyl)-1-(1-methylethyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine; Sapanisertib; MLN0128

**CATALOG #:** 9527-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>15</sub>N<sub>7</sub>O

**MOLECULAR WEIGHT:** 309.33

**CAS NUMBER:** 1224844-38-5

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (>30 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** INK-128 is a potent, selective and ATP-competitive mTORC1/2 inhibitor with potential anticancer properties. Displays >200-fold less selectivity towards class I PI3-K isoforms. Recently, it has been shown that INK-128 can also suppress HIV-1 in humanized mice.

**REFERENCES:** Heredia, A., *et al.* (2015). *Proc. Natl. Acad. Sci. USA* **112**, 9412-9417; Li, C., *et al.* (2015). *Cancer Biol. Ther.* **16**, 34-42.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

AZD-2014 (Cat. No. 9449-5,25)  
 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)  
 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)  
 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)

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