

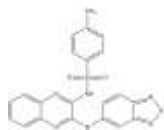
**PRODUCT: XL-147**

**ALTERNATE NAME:** N-[3-(2,1,3-benzothiadiazol-5-ylamino)quinoxalin-2-yl]-4-methylbenzenesulfonamide; SAR245408; Pilaralisib

**CATALOG #:** 9401-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>16</sub>N<sub>6</sub>O<sub>2</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 448.52

**CAS NUMBER:** 956958-53-5

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (~ 3 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** XL-147 is an ATP-competitive, highly selective, and reversible pan-class I phosphoinositide 3-kinase (PI3K) inhibitor. It inhibits PI3K p110 $\alpha$ , - $\beta$ , - $\gamma$ , and - $\delta$  isoforms, with IC<sub>50</sub> values of 48, 617, 10, and 260 nmol/L, respectively, measured in biochemical assays. XL-147 displays antitumor activity.

**REFERENCES:** Shapiro, G.I., *et al.* (2014). *Clin. Cancer Res.* **20**, 233-245.

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

**RELATED PRODUCTS:**

AS-604850 (Cat. No. 2339-1, 5)  
 BAG956 (Cat.No. 2456-5, 25)  
 BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)  
 CAL-101 (Cat. No. 2613-5, 25)  
 GDC-0941 bismesylate (Cat. No. 1623-1, 5)  
 Deforolimus (Cat. No. 1587-5, 25)  
 DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)  
 GDC-0941 (Cat. No. 1623-1,5)  
 GSK-263771 (Cat. No. 2793-5, 25)  
 IC87114 (Cat. No. 1661-1)  
 IPI-145 (Cat. No. 2445-5, 25)  
 LY 294002 (Cat. No. 1667-5, 25)  
 NVP-BKM120 (Cat. No. 2619-5, 25)  
 mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)  
 OSU-03012, hydrochloride (Cat. No. 2295-5, 25)  
 PI-103 (Cat. No. 1728-1,5)  
 PIK-294 (Cat. No. 2614-5, 25)  
 PI3-K $\gamma$  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)  
 Temsirolimus (Cat. No. 1600-5, 25)  
 TGX-115 (Cat. No. 1660-1)  
 TGX-221 (Cat. No. 1781-1,5)  
 Wortmannin (Cat. No. 1670-1)  
 YM201636 (Cat. No. 2045-1, 5)

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