

## Product Information

### PI3K inhibitor XL-147, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ174

**Size:** 5 mg; 10 mg; 25 mg

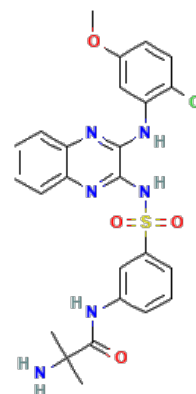
**CAS Number:** 934526-89-3

**Compound CID:** 56599306

**Synonym:** 934526-89-3; SAR245408; XL 147; XL147; SAR-245408; SAR 245408;

Pilaralisib; PI3K inhibitor

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	XL-147, soluble in warmed DMSO and insoluble in water and ethanol, is a potent compound that inhibits PI3 kinase activity. It targets PI3K $\alpha$ , PI3K $\beta$ , PI3K $\delta$ , and PI3K $\gamma$ .
<b>Molecular Weight</b>	541.02
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>25</sub> ClN <sub>6</sub> O <sub>4</sub> S
<b>Targets</b>	PI3K $\alpha$ : 39 nM; PI3K $\beta$ : 36 nM; PI3K $\delta$ : 36 nM; PI3K $\gamma$ : 23 nM
<b>IUPAC Name</b>	2-Amino-N-[3-[[3-(2-chloro-5-methoxyanilino)quinoxalin-2-yl]sulfamoyl]phenyl]-2-methylpropanamide
<b>InChI</b>	InChI=1S/C25H25ClN6O4S/c1-25(2,27)24(33)28-15-7-6-8-17(13-15)37(34,35)32-23-22(29-19-9-4-5-10-20(19)30-23)31-21-14-16(36-3)11-12-18(21)26/h4-14H,27H2,1-3H3,(H,28,33)(H,29,31)(H,30,32)
<b>InChI Key</b>	QINPEPAQOBZPOF-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)(C(=O)NC1=CC(=CC=C1)S(=O)(=O)NC2=NC3=CC=CC=C3N=C2NC4=C(C=CC(=C4)OC)Cl)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	Warmed DMSO: 92 mg/mL (170.04 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	XL-147 is utilized to understand the inhibition of PI3K and its downstream effects in cancer therapeutics.



**Storage**

Store at -20°C.

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