

Product Information

PI3K inhibitor XL147 analogue, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ175

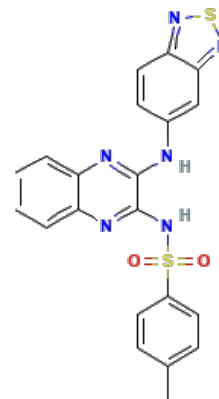
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 956958-53-5

Compound CID: 1893730

Synonym: 956958-53-5; XL-147; SAR245408; PI3K inhibitor

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



Product Information

Description	XL147 analogue, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets PI3K α , PI3K δ , B-Raf/C-Raf, DNA-PK, MEK, mTOR, PI3K β , PI3K γ , and Vps34.
Molecular Weight	448.5
Molecular Formula	C ₂₁ H ₁₆ N ₆ O ₂ S ₂
Targets	PI3K α : 39 nM; PI3K δ : 36 nM; B-Raf/C-Raf: >10 μ M; DNA-PK: 4.75 μ M; MEK: >10 μ M; mTOR: >15 μ M; PI3K β : 383 nM; PI3K γ : 23 nM; Vps34: 6.975 μ M
IUPAC Name	<i>N</i> -[3-(2,1,3-benzothiadiazol-5-ylamino)quinoxalin-2-yl]-4-methylbenzenesulfonamide
InChI	InChI=1S/C21H16N6O2S2/c1-13-6-9-15(10-7-13)31(28,29)27-21-20(23-16-4-2-3-5-17(16)24-21)22-14-8-11-18-19(12-14)26-30-25-18/h2-12H,1H3,(H,22,23)(H,24,27)
InChI Key	MQMKRQLTIWPEDM-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)S(=O)(=O)NC2=NC3=CC=CC=C3N=C2NC4=CC5=NSN=C5C=C4
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 3 mg/mL (6.68 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	XL147 analogue can be employed to study the inhibition of PI3K signaling and its therapeutic potential in cancer research.



Storage

Store at -20°C.
