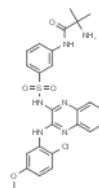


Product Name	: Pilaralisib
Synonyms	: XL147; XL 147; SAR245408; SAR 245408; Pilaralisib
Cat No.	: M17672
CAS Number	: 934526-89-3
Molecular Formula	: C ₂₅ H ₂₅ ClN ₆ O ₄ S
Formula Weight	: 541.02
Chemical Name	: 2-amino-N-(3-(N-(3-(2-chloro-5-methoxyphenyl)amino)quinoxalin-2-yl)sulfamoyl)phenyl)-2-methylpropanamide.



Description	: Pilaralisib, also known as XL147, is a Class 1 PI3K kinase family inhibitor, and is a orally bioavailable small molecule, targeting the class I phosphatidylinositol 3 kinase (PI3K) family of lipid kinases, with potential antineoplastic activity. Class 1 PI3K kinase family inhibitor XL147 reversibly binds to class 1 PI3Ks in an ATP-competitive manner, inhibiting the production of the secondary messenger phosphatidylinositol-3,4,5-trisphosphate (PIP3) and activation of the PI3K signaling pathway; this may result in inhibition of tumor cell growth and survival in susceptible tumor cell populations. Activation of the PI3K signaling pathway is frequently associated with tumorigenesis.
Pathway	: Cell Cycle/DNA Damage
Target	: Aurora Kinase
Receptor	: PI3K α ; PI3K β ; PI3K γ ; PI3K δ
Solubility	: DMSO : 6 mg/mL. 11.09 mM;
SMILES	: <chem>C(=O)(C(C)C)Nc1cc(ccc1)S(=O)(=O)Nc2c(nc1Nc1c(ccc(c1)OC)Cl)cccc2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Foster P, et al. Mol Y Ther. 2015, 14(4), 931-940.