

Product Information

PI3K inhibitor SAR405, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ156

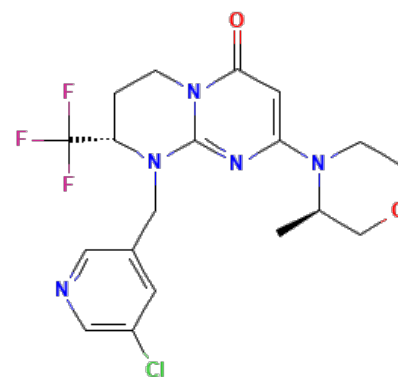
Size: 2 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1523406-39-4

Compound CID: 72709209

Synonym: 1523406-39-4; SAR 405; SAR-405; PI3K inhibitor

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



Product Information

Description	SAR405, soluble in warmed DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets Autophagy, Vps34, and Vps34.
Molecular Weight	443.85
Molecular Formula	C ₁₉ H ₂₁ ClF ₃ N ₅ O ₂
Targets	Autophagy; Vps34: 1.2 nM; Vps34: 1.5 nM (Kd)
IUPAC Name	(8S)-9-[(5-chloropyridin-3-yl)methyl]-2-[(3R)-3-methylmorpholin-4-yl]-8-(trifluoromethyl)-7,8-dihydro-6H-pyrimido[1,2-a]pyrimidin-4-one
InChI	InChI=1S/C19H21ClF3N5O2/c1-12-11-30-5-4-26(12)16-7-17(29)27-3-2-15(19(21,22)23)28(18(27)25-16)10-13-6-14(20)9-24-8-13/h6-9,12,15H,2-5,10-11H2,1H3/t12-,15+/m1/s1
InChI Key	SPDQRCUBFSRAFI-DOMZBBRYSA-N
Canonical SMILES	CC1COCCN1C2=CC(=O)N3CCC(N(C3=N2)CC4=CC(=CN=C4)Cl)C(F)(F)F
Isomeric SMILES	C[C@@H]1COCCN1C2=CC(=O)N3CC[C@H](N(C3=N2)CC4=CC(=CN=C4)Cl)C(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 76 mg/mL (171.22 mM); Water: Insoluble; Ethanol: 76 mg/mL (171.22 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SAR405 can be employed to investigate the inhibition of class III PI3K and its impact on autophagy and cellular trafficking.



Storage

Store at -20°C.
