

Product Information

PI3K inhibitor Vps34-IN-2, Purity ≥98%

Cat. No.: X24-05-ZQ171

Size: 1 mg; 2 mg; 5 mg; 50 mg

CAS Number: 1523404-29-6

Compound CID: 72709284

Synonym: 1523404-29-6; Vps34-IN-2;

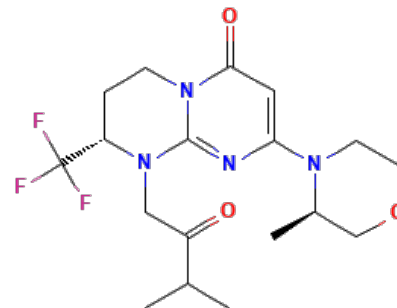
(S)-1-(3-methyl-2-oxobutyl)-8-((R

)-3-methylmorpholino)-2-(trifluo

romethyl)-3,4-dihydro-1H-pyrimido[1,2-a]pyrimidin-6(2H)-one; ChEMBL4586628;

PI3K inhibitor

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



Product Information

Description	Vps34-IN-2 is a potent compound that inhibits PI3 kinase activity. It targets HCoV-229E, SARS-CoV-2, and Vps34.
Molecular Weight	402.41
Molecular Formula	C ₁₈ H ₂₅ F ₃ N ₄ O ₃
Targets	HCoV-229E: 0.7 μM; SARS-CoV-2: 3.1 μM; Vps34: 2 μM
IUPAC Name	(8S)-2-[(3R)-3-methylmorpholin-4-yl]-9-(3-methyl-2-oxobutyl)-8-(trifluoromethyl)-7,8-dihydro-6H-pyrimido[1,2-a]pyrimidin-4-one
InChI	InChI=1S/C18H25F3N4O3/c1-11(2)13(26)9-25-14(18(19,20)21)4-5-24-16(27)8-15(22-17(24)25)23-6-7-28-10-12(23)3/h8,11-12,14H,4-7,9-10H2,1-3H3/t12-,14+/m1/s1
InChI Key	ITCIAOUZMPREOO-OCCSQVGLSA-N
Canonical SMILES	CC1COCCN1C2=CC(=O)N3CCC(N(C3=N2)CC(=O)C(C)C)C(F)(F)F
Isomeric SMILES	C[C@@H]1COCCN1C2=CC(=O)N3CC[C@H](N(C3=N2)CC(=O)C(C)C)C(F)(F)F
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Applications

Vps34-IN-2 is applied in research focusing on the inhibition of Vps34 and its role in autophagy and cellular homeostasis.

Storage

Store at -20°C.
