CD BioGlyco
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Product Information

PI3K inhibitor ETP-46321, Purity ≥98%

Cat. No.: X24-05-ZQ090

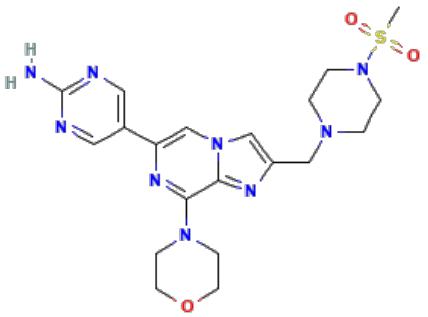
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1252594-99-2

Compound CID: 46927938

Synonym: 1252594-99-2; ETP46321; ETP 46321; PI3K inhibitor

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



Product Information

Description	ETP-46321 is a potent compound that inhibits PI3 kinase activity. It targets p110α, p110β, p110δ, p110γ, PI3Kα-E542K, PI3Kα-E542K, and PI3Kα-H1047R.
Molecular Weight	473.55
Molecular Formula	$C_{20}H_{27}N_9O_3S$
Targets	p110α: 2.3 nM (Ki); p110β: 170 nM (Ki); p110δ: 14.2 nM (Ki); p110γ: 179 nM (Ki); PI3Kα-E542K: 1.89 nM (Ki); PI3Kα-E542K: 1.77 nM (Ki); PI3Kα-H1047R: 2.33 nM (Ki)
IUPAC Name	5-[2-[(4-Methylsulfonylpiperazin-1-yl)methyl]-8-morpholin-4-ylimidazo[1,2-a]pyrazin-6-yl]pyrimidin-2-amine
InChI	InChI=1S/C20H27N9O3S/c1-33(30,31)29-4-2-26(3-5-29)12-16-13-28-14-17(15-10-22-20(21)23-11-15)25-19(18(28)24-16)27-6-8-32-9-7-27/h10-11,13-14H,2-9,12H2,1H3,(H2,21,22,23)
InChI Key	OHKDVDMWRKFZRB-UHFFFAOYSA-N
Canonical SMILES	CS(=O)(=O)N1CCN(CC1)CC2=CN3C=C(N=C(C3=N2)N4CCOCC4)C5=CN=C(N=C5)N
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	ETP-46321 can be used for the study of dual PI3K/mTOR pathway inhibition, which is significant in cancer therapy research.
Storage	Store at -20ºC.

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