

Product Information

PI3K inhibitor ON 146040, Purity ≥98%

Cat. No.: X24-05-ZQ122

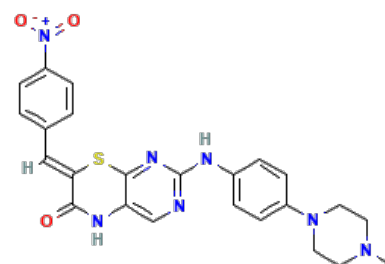
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1404231-34-0

Compound CID: 73297262

Synonym: 1404231-34-0; ON-146040; ON146040; PI3K inhibitor

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



Product Information

Description	ON 146040 is a potent compound that inhibits PI3 kinase activity. It targets PI3K α , PI3K β , PI3K δ , and PI3K γ .
Molecular Weight	489.55
Molecular Formula	C ₂₄ H ₂₃ N ₇ O ₃ S
Targets	PI3K α : 14 nM; PI3K β : 3 nM; PI3K δ : 20 nM; PI3K γ : 1 nM
IUPAC Name	(7Z)-2-[4-(4-methylpiperazin-1-yl)anilino]-7-[(4-nitrophenyl)methylidene]-5H-pyrimido[4,5-b][1,4]thiazin-6-one
InChI	InChI=1S/C24H23N7O3S/c1-29-10-12-30(13-11-29)18-8-4-17(5-9-18)26-24-25-15-20-23(28-24)35-21(22(32)27-20)14-16-2-6-19(7-3-16)31(33)34/h2-9,14-15H,10-13H2,1H3,(H,27,32)(H,25,26,28)/b2-1-14-
InChI Key	PKCHFYZACODWAI-STZFKDTASA-N
Canonical SMILES	CN1CCN(CC1)C2=CC=C(C=C2)NC3=NC=C4C(=N3)SC(=CC5=CC=C(C=C5)[N+](=O)[O-])C(=O)N4
Isomeric SMILES	CN1CCN(CC1)C2=CC=C(C=C2)NC3=NC=C4C(=N3)S/C(=C\C5=CC=C(C=C5)[N+](=O)[O-])/C(=O)N4
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

ON 146040 can be applied to investigate PI3K/AKT/mTOR signaling pathways in cancer.

Storage

Store at -20°C.
