

Product Information

PI3K inhibitor IITZ-01, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ103

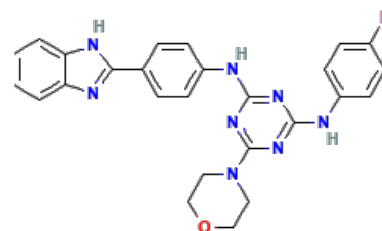
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1807988-47-1

Compound CID: 134817273

Synonym: 1807988-47-1; IITZ 01; IITZ01; Autophagy inhibitor IITZ-01; PI3K inhibitor

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



Product Information

Description	IITZ-01, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets Autophagy and PI3K γ .
Molecular Weight	482.51
Molecular Formula	C ₂₆ H ₂₃ FN ₈ O
Targets	Autophagy; PI3K γ : 2.62 μ M
IUPAC Name	4- <i>N</i> -[4-(1 <i>H</i> -benzimidazol-2-yl)phenyl]-2- <i>N</i> -(4-fluorophenyl)-6-morpholin-4-yl-1,3,5-triazine-2,4-diamine
InChI	InChI=1S/C26H23FN8O/c27-18-7-11-20(12-8-18)29-25-32-24(33-26(34-25)35-13-15-36-16-14-35)28-19-9-5-17(6-10-19)23-30-21-3-1-2-4-22(21)31-23/h1-12H,13-16H2,(H,30,31)(H2,28,29,32,33,34)
InChI Key	XGEDDGLPNSLBFE-UHFFFAOYSA-N
Canonical SMILES	C1COCCN1C2=NC(=NC(=N2)NC3=CC=C(C=C3)F)NC4=CC=C(C=C4)C5=NC6=CC=CC=C6N5
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 89 mg/mL (184.44 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	IITZ-01 can be used for studying covalent inhibition of PI3K γ , crucial for oncology and immunology research.
Storage	Store at -20°C.

