CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

PI3K inhibitor IPI-549, Purity ≥98%

Cat. No.: X24-05-ZQ107

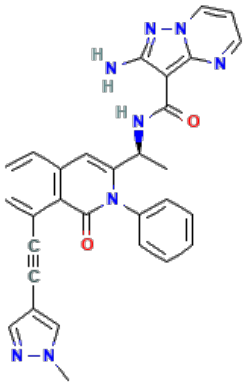
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1693758-51-8

Compound CID: 91933883

Synonym: 1693758-51-8; IPI549; IPI 549; PI3K inhibitor

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



Product Information

Description	IPI-549, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets PI3Kα, PI3Kβ, and PI3Kγ.
Molecular Weight	528.56
Molecular Formula	$C_{30}H_{24}N_8O_2$
Targets	PI3Kα: 3.2 μM; PI3Kβ: 3.5 μM; PI3Kγ: 16 μM
IUPAC Name	2-Amino-*N*-[(1*S*)-1-[8-[2-(1-methylpyrazol-4-yl)ethynyl]-1-*oxo*-2-phenylisoquinolin-3-yl]ethyl]pyrazolo[1,5-a]pyrimidine-3-carboxamide
InChI	InChI=1S/C30H24N8O2/c1-19(34-29(39)26-27(31)35-37-15-7-14-32-28(26)37)24-16-22-9-6-8-21(13-12-20-17-33-36(2)18-20)25(22)30(40)38(24)23-10-4-3-5-11-23/h3-11,14-19H,1-2H3,(H2,31,35)(H,34,39)/t19-/m0/s1
InChI Key	XUMALORDVCFWKV-IBGZPJMESA-N
Canonical SMILES	CC(C1=CC2=C(C(=CC=C2)C#CC3=CN(N=C3)C)C(=O)N1C4=CC=CC=C4)NC(=O)C5=C6N=CC=CN6N=C5N
Isomeric SMILES	C[C@@H](C1=CC2=C(C(=CC=C2)C#CC3=CN(N=C3)C)C(=O)N1C4=CC=CC=C4)NC(=O)C5=C6N=CC=CN6N=C5N
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 87 mg/mL (164.6 mM); Water: Insoluble; Ethanol: 7 mg/mL (13.24 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.

© CD BioGlyco. All Rights Reserved.

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Applications	IPI-549 helps in investigating PI3Kγ inhibition's role in tumor microenvironment and immune responses.
Storage	Store at -20ºC.

© CD BioGlyco. All Rights Reserved.