

Product Information

PI3K inhibitor PKI-402, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ148

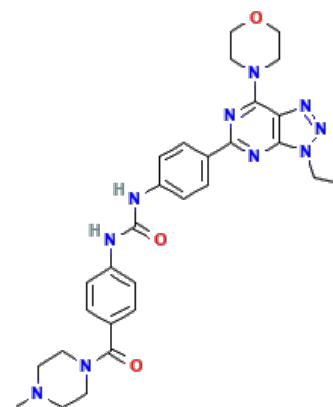
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1173204-81-3

Compound CID: 44187953

Synonym: 1173204-81-3; PKI402; PI3K inhibitor

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



Product Information

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| Description | PKI-402, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets mTOR, PI3K α , PI3K α -E545K, PI3K α -H1047R, PI3K β , PI3K δ , and PI3K γ . |
| Molecular Weight | 570.7 |
| Molecular Formula | C ₂₉ H ₃₄ N ₁₀ O ₃ |
| Targets | mTOR: 3 nM; PI3K α : 2 nM; PI3K α -E545K: 3 nM; PI3K α -H1047R: 3 nM; PI3K β : 7 nM; PI3K δ : 14 nM; PI3K γ : 16 nM |
| IUPAC Name | 1-[4-(3-Ethyl-7-morpholin-4-yltriazolo[4,5-d]pyrimidin-5-yl)phenyl]-3-[4-(4-methylpiperazine-1-carbonyl)phenyl]urea |
| InChI | InChI=1S/C29H34N10O3/c1-3-39-27-24(34-35-39)26(37-16-18-42-19-17-37)32-25(33-27)20-4-8-22(9-5-20)30-29(41)31-23-10-6-21(7-11-23)28(40)38-14-12-36(2)13-15-38/h4-11H,3,12-19H2,1-2H3,(H2,30,31,41) |
| InChI Key | ZAXFYGBKZSQBIV-UHFFFAOYSA-N |
| Canonical SMILES | CCN1C2=C(C(=NC(=N2)C3=CC=C(C=C3)NC(=O)NC4=CC=C(C=C4)C(=O)N5CCN(CC5)C)N6CCOCC6)N=N1 |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Solubility | DMSO: 0.35 mg/mL (0.61 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 | PKI-402 is utilized to investigate the dual inhibition of PI3K and mTOR pathways and their potential |



therapeutic applications in cancer.

Storage

Store at -20°C.
