

Product Information

PI3K inhibitor PIK-90, Purity \geq 98%

Cat. No.: X24-05-ZQ145

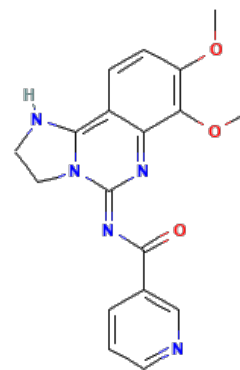
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 677338-12-4

Compound CID: 135398491

Synonym: 677338-12-4; PIK90; PI3K inhibitor

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



Product Information

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|--------------------------|---|
| Description | PIK-90, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. |
| Molecular Weight | 351.4 |
| Molecular Formula | C ₁₈ H ₁₇ N ₅ O ₃ |
| IUPAC Name | <i>N</i> -(7,8-dimethoxy-2,3-dihydro-1 <i>H</i> -imidazo[1,2- <i>c</i>]quinazolin-5-ylidene)pyridine-3-carboxamide |
| InChI | InChI=1S/C18H17N5O3/c1-25-13-6-5-12-14(15(13)26-2)21-18(23-9-8-20-16(12)23)22-17(24)11-4-3-7-19-10-11/h3-7,10,20H,8-9H2,1-2H3 |
| InChI Key | FCKJZIRDZMVDEM-UHFFFAOYSA-N |
| Canonical SMILES | COC1=C(C2=NC(=NC(=O)C3=CN=CC=C3)N4CCNC4=C2C=C1)OC |
| Form | Lyophilized powder |
| Purity | \geq 98% |
| Solubility | DMSO: 0.27 mg/mL (0.76 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 | PIK-90 can be used to study the inhibition of PI3K signaling pathways. |
| Storage | Store at -20°C. |