

Product Information

PI3K inhibitor GDC-0941, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ095

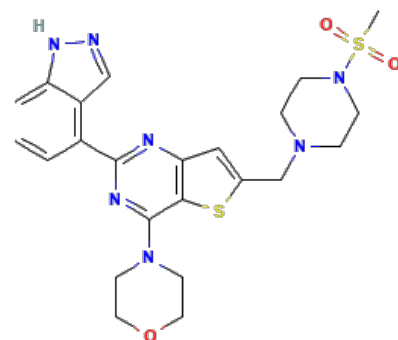
Size: 5 mg; 10 mg; 50 mg; 200 mg

CAS Number: 957054-30-7

Compound CID: 17755052

Synonym: 957054-30-7; GDC0941; Pictilisib; PI3K inhibitor

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



Product Information

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|--------------------------|---|
| Description | GDC-0941, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets p110 β , p110 δ , C2 β , DNA-PK, mTOR, p110 α , p110 γ , and Vps34. |
| Molecular Weight | 513.6 |
| Molecular Formula | C ₂₃ H ₂₇ N ₇ O ₃ S ₂ |
| Targets | p110 β : 33 nM; p110 δ : 3 nM; C2 β : 0.67 μ M; DNA-PK: 1.23 μ M; mTOR: 0.58 μ M; p110 α : 3 nM; p110 γ : 75 nM; Vps34: >10 μ M |
| IUPAC Name | 4-[2-(1H-indazol-4-yl)-6-[4-(4-methylsulfonylpiperazin-1-yl)methyl]thieno[3,2-d]pyrimidin-4-yl]morpholine |
| InChI | InChI=1S/C23H27N7O3S2/c1-35(31,32)30-7-5-28(6-8-30)15-16-13-20-21(34-16)23(29-9-11-33-12-10-29)26-22(25-20)17-3-2-4-19-18(17)14-24-27-19/h2-4,13-14H,5-12,15H2,1H3,(H,24,27) |
| InChI Key | LHNIIDJUOCFXAP-UHFFFAOYSA-N |
| Canonical SMILES | CS(=O)(=O)N1CCN(CC1)CC2=CC3=C(S2)C(=NC(=N3)C4=C5C=NNC5=CC=C4)N6CCOCC6 |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Solubility | DMSO: 40 mg/mL (77.87 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 | GDC-0941 aids in researching the inhibition of all class I PI3K isoforms, specifically in cancer therapy studies. |



Storage

Store at -20°C.
