

Product Information

PI3K inhibitor GDC-0084, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ093

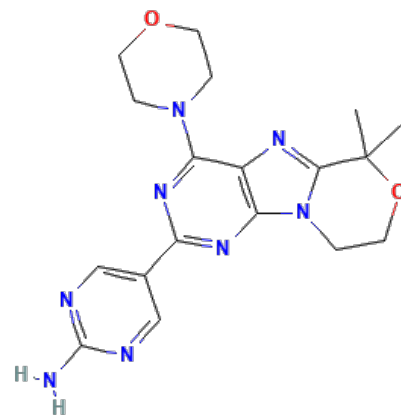
Size: 1 mg; 5 mg; 10 mg

CAS Number: 1382979-44-3

Compound CID: 57384863

Synonym: 1382979-44-3; RG7666; PI3K inhibitor

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



Product Information

Description	GDC-0084, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets PI3K α .
Molecular Weight	382.428
Molecular Formula	C ₁₈ H ₂₂ N ₈ O ₂
Targets	PI3K α : 2 nM (Ki)
IUPAC Name	5-(6,6-Dimethyl-4-morpholin-4-yl-8,9-dihydropurino[8,9-c][1,4]oxazin-2-yl)pyrimidin-2-amine
InChI	InChI=1S/C18H22N8O2/c1-18(2)16-22-12-14(25-3-6-27-7-4-25)23-13(11-9-20-17(19)21-10-11)24-15(12)26(16)5-8-28-18/h9-10H,3-8H2,1-2H3,(H2,19,20,21)
InChI Key	LGWACEZVCMBBSKW-UHFFFAOYSA-N
Canonical SMILES	CC1(C2=NC3=C(N2CCO1)N=C(N=C3N4CCOCC4)C5=CN=C(N=C5)N)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 8 mg/mL (20.91 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-0084 is used to investigate the effects of PI3K/mTOR inhibition in glioblastoma and other cancers.
Storage	Store at -20°C.