

Product Information

PI3K inhibitor LY294002, Purity \geq 98%

Cat. No.: X24-05-ZQ112

Size: 10 mg; 25 mg; 50 mg; 200 mg

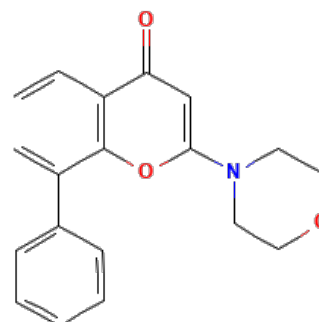
CAS Number: 154447-36-6

Compound CID: 3973

Synonym: 154447-36-6; LY294002; LY 294002;

2-(4-Morpholinyl)-8-phenyl-4H-1-benzopyran-4-one; LY-294002; PI3K inhibitor

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



Product Information

Description	LY294002, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets p110 α , p110 β , and p110 δ .
Molecular Weight	307.3
Molecular Formula	C ₁₉ H ₁₇ NO ₃
Targets	p110 α : 0.5 μ M; p110 β : 0.97 μ M; p110 δ : 0.57 μ M
IUPAC Name	2-Morpholin-4-yl-8-phenylchromen-4-one
InChI	InChI=1S/C19H17NO3/c21-17-13-18(20-9-11-22-12-10-20)23-19-15(7-4-8-16(17)19)14-5-2-1-3-6-14/h1-8,13H,9-12H2
InChI Key	CZQHVVNHHRRDU-UHFFFAOYSA-N
Canonical SMILES	C1COCCN1C2=CC(=O)C3=C(O2)C(=CC=C3)C4=CC=CC=C4
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 31 mg/mL (100.86 mM); Water: Insoluble; Ethanol: 18 mg/mL (58.56 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	LY294002 serves in broad research involving PI3K pathway inhibition and its various biological effects.
Storage	Store at -20°C.