



Data Sheet

Research Use Only

Compound Name

LY294002

Catalog Number

SM24

Alternative Names

LY 294002, LY-294002, 2-Morpholin-4-yl-8-phenylchromen-4-one, 2-(4-Morpholinyl)-8-phenyl-4H-1-benzopyran-4-one

Activity

LY294002 shows a highly selective inhibitor of PI3K *in vivo*. LY294002 can transfer cells to specific inhibition of PI3K, inhibition of PI3K/Akt signaling pathways, including inhibition of common Akt phosphorylation.

Effect

LY294002 inhibits cell proliferation of choroidal melanoma OCM-1 cells. In mouse embryonic stem cells, LY294002 prevents self-renewal by inhibiting LIF2.

Purity

>99%

CAS

154447-36-6

Formula

$C_{19}H_{17}NO_3$

Molecular Weight

307.34

Solubility

DMSO, ethanol

Stability

Stable at -20°C. Keep away from direct sunlight.

References

1.Gharbi, SI., et al. 2007. Biochem J. 404(1): 15-21. PMID: 17302559