

LY 294002

Quantity: 5 mg / 10 mg
M.W.=307.35
Lot No.: 12578986



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This product is for laboratory research ONLY and not for diagnostic use

Description:

Chemical Name: 2-(4-Morpholino)-8-phenyl-4H-1-benzopyran-4-one

Chemical Family: Benzopyranone

Molecular Formula: C₁₉H₁₇NO₃

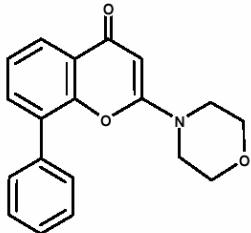
Purity: >99% as determined by HPLC

Physical Form: Lyophilized powder

Solubility: Soluble in DMSO or ethanol

Research Applications: Specific and potent inhibitor of phosphatidyl-inositol 3-kinase (PI3K). IC₅₀ = 1.4 μM.

Structure:



References:

1. Vlahos et al (1994) A specific inhibitor of phosphatidylinositol 3-kinase, 2-(4-morpholiny)-8-phenyl-4H-1-benzopyran-4-one (LY 294002). *J.Biol.Chem.* **269** 5241.
2. Chasserot-Golaz et al (1998) Possible involvement of phosphatidyl-3-kinase in regulated exocytosis: studies in chromaffin cells with inhibitor LY 294002. *J.Neurochem.* **70** 2347.

Storage: Stable as lyophilized powder for 2 years at -20° C from date of shipment. Store tightly sealed in the dark. Product shipped at ambient temperature.