

LY-294002, PI 3-Kinase inhibitor

Catalog	Unit
TBI2150-5MG	5 mg
TBI2150-25MG	25 mg

Product Details

Formal Name: 2-(4-Morpholinyl)-8-phenyl-4H-1-benzopyran-4-one

Molecular Formula: C₁₉H₁₇NO₃

Formula Weight: 307.34

CAS Number: 154447-36-6

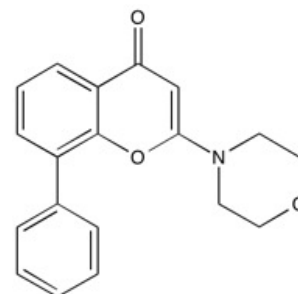
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 100 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.

**Applications**

PI 3-Kinase inhibitor

Functions

Highly selective inhibitor of phosphatidylinositol 3-kinase (IC₅₀ = 0.31, 0.73, 1.06 and 6.60 μM for PI 3-Kβ, PI 3-Kα, PI 3-Kδ and PI 3-Kγ respectively). Inhibits autophagy in rat hepatocytes (IC₅₀ = 10 μM). An extremely useful tool for determining the role of PI 3-K in cellular signaling. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 100 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 4 months.

For research use only.