

LY294002

Cat. # F6110, F6111

Also Known as: 2-morpholin-4-yl-8-phenylchromen-4-one

Formula: C₁₉H₁₇NO₃

MW: 307.34 Da

CAS No.: 154447-36-6

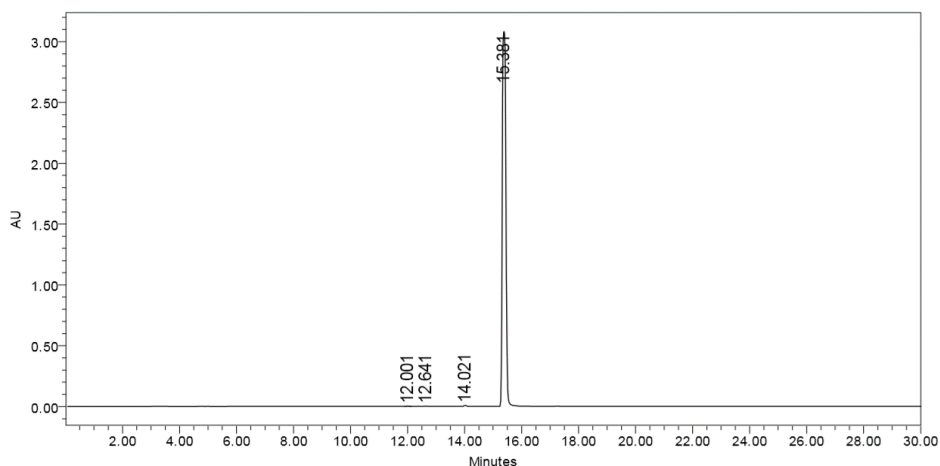
Source: Synthetic

Form: Lyophilized powder

Solubility: Soluble in DMSO (~10mg/mL)

Concentration: N/A

Quality Assurance: >98% by HPLC and NMR



Purity check of LY294002 by HPLC

Description: LY294002 is a selective phosphatidylinositol 3-kinase (PI3K) inhibitor. LY294002 inhibit PI3K α / δ / β with IC₅₀ of 0.5 μ M/0.57 μ M/0.97 μ M, respectively; more stable in solution than Wortmannin, and also blocks autophagosome formation.

Storage: Eligible for room temperature shipping. Store at -20°C upon receiving; protect from air and light

How to use LY294002 was used at 1-10 μ M in cell-based in vitro assays.

Literature:

1. Vlahos CJ, *et al.* (1994) Journal of Biological Chemistry 269 (7): 5241–5248.
2. Blommaert EF, *et al.* (1997) Eur. J. Biochem. 243: 240–246.
3. Maira SM, *et al.* (2009) Biochem Soc Trans. 37(Pt 1):265-72.

