

# LY294002(PI3K 抑制剂)

Catalog No.: RPM0021

## Sequence Information

**Species**    **Gene ID**    **Swiss Prot**  
154447-36-6

### Tags

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### Synonyms

LY 294002; NSC 697286; SF 1101

## Product Information

**Source**                      **Purification**  
C<sub>19</sub>H<sub>17</sub>NO<sub>3</sub>                      > 98%

**Calculated MW**    **Observed MW**  
307.34

### Endotoxin

DNA-PK:1.4 μM (cell free), p110δ:0.57 μM (cell free), p110β:0.97 μM (cell free), p110α:0.5 μM (cell free)

### Formulation

Ethanol: 10 mg/mL (32.5 mM) 10%  
DMSO+40% PEG300+5% Tween  
80+45% Saline: 3.4 mg/mL (11.06 mM),  
Working solution is recommended to be prepared and used immediately. H<sub>2</sub>O: < 1 mg/mL (insoluble or slightly soluble)  
DMSO: 61.46 mg/mL (200 mM),  
Sonication is recommended.

### Reconstitution

## Contact

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## Background

LY294002 抑制剂 PI3K 抑制剂 PI3Kα, PI3Kδ 及 PI3Kβ 的 IC50 分别为 0.5, 0.57, 0.97 μM。LY294002 对 CK2 的 IC50 为 98 nM。LY294002 可抑制 DNA-PK 介导的 DNA-PK 介导的 IC50 为 1.4 μM。LY294002 可抑制 (apoptosis) 过程。

## Basic Information

### Description

LY294002(PI3K 抑制剂) 可抑制 PI3K 介导的信号通路 PI3Kα/PI3Kδ 及 PI3Kβ (IC50=0.5/0.57/0.97 μM)。LY294002 对 DNA-PK 的 IC50=1.4 μM 对 CK2 的 IC50=98 nM。LY294002 可抑制 DNA-PK 介导的信号通路。

### Bio-Activity

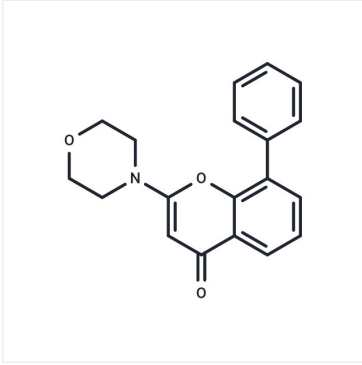
### Storage

Store at -20°C. This product is stable at -20°C up to 3 years from the date of receipt . After reconstitution, the solution is stable at -20°C for 6 months, at -80°C for up to 1 year.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Chemical structure of LY294002(PI3K inhibitor), CAS No.154447-36-6