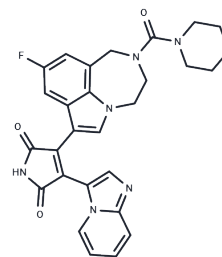


LY2090314

Chemical Properties

CAS No. : 603288-22-8
 Formula: C₂₈H₂₅FN₆O₃
 Molecular Weight: 512.53
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| | |
|----------------------------|--|
| Description | LY2090314, an effective GSK-3 α/β inhibitor (IC ₅₀ : 1.5 nM/0.9 nM), may improve the efficacy of platinum-based chemotherapy regimens. LY2090314 has been used in trials studying the treatment of Leukemia, Advanced Cancer, and Pancreatic Cancer. |
| Targets(IC ₅₀) | GSK-3 |
| In vivo | LY2090314 enhances the efficacy of cisplatin and carboplatin in solid tumor cancer xenografts. [1] |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 93 mg/mL (181.45 mM), Sonication is recommended. Ethanol: 2 mg/mL (3.9 mM), Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9511 mL | 9.7555 mL | 19.5111 mL |
| 5 mM | 0.3902 mL | 1.9511 mL | 3.9022 mL |
| 10 mM | 0.1951 mL | 0.9756 mL | 1.9511 mL |
| 50 mM | 0.039 mL | 0.1951 mL | 0.3902 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Brail LH, et al. J Clin Oncol, 2011, 29, abstr 3030.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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