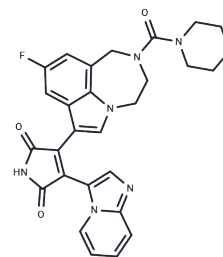


LY2090314

Chemical Properties

CAS No. : 603288-22-8
 Formula: C₂₈H₂₅FN₆O₃
 Molecular Weight: 512.53
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



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: 35.36 mg/mL (68.99 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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.9 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481