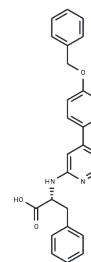


BAY 73-1449

Chemical Properties

CAS No. : 693790-96-4
Formula: C₂₆H₂₃N₃O₃
Molecular Weight: 425.48
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	BAY 73-1449 is a potent and selective antagonist of the prostacyclin receptor (IC ₅₀ < 0.1 nM).
Targets(IC50)	Others, Prostaglandin Receptor
In vivo	In male Wistar rats, BAY 73-1449 (0.1-1 mg/kg; i.v.) significantly reduced splenic shunt vessel outflow without affecting mesenteric inflow[1]. BAY 73-1449 (1-5 mg/kg; s.c.) has no effects on portal pressures and the degree of porto-systemic shunting in rats[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (129.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (5.88 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	2.3503 mL	11.7514 mL	23.5029 mL
5 mM	0.4701 mL	2.3503 mL	4.7006 mL
10 mM	0.235 mL	1.1751 mL	2.3503 mL
50 mM	0.047 mL	0.235 mL	0.4701 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

Bexis S, et, al. Vascular actions of the prostacyclin receptor antagonist BAY 73-1449 in the portal hypertensive rat. Eur J Pharmacol. 2008 Aug 20;590(1-3):322-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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