

Etalocib

Chemical Properties

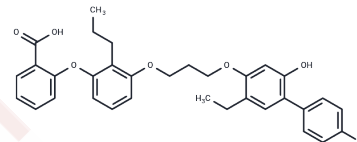
CAS No. : 161172-51-6

Formula: C₃₃H₃₃F₀₆

Molecular Weight: 544.6

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	Etalocib (LY293111) is a novel diaryl ether carboxylic acid derivative, is a selective and potent inhibitor of the lipoxygenase pathway either via antagonism of the leukotriene B ₄ (LTB ₄) receptor or directly through 5'-lipoxygenase. It has antineoplastic activities.
Targets(IC50)	Apoptosis,LTR,Leukotriene Receptor

Solubility Information

Solubility	DMSO: 100 mg/mL (183.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.06 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	1.8362 mL	9.1811 mL	18.3621 mL
5 mM	0.3672 mL	1.8362 mL	3.6724 mL
10 mM	0.1836 mL	0.9181 mL	1.8362 mL
50 mM	0.0367 mL	0.1836 mL	0.3672 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

P Marder, et al. Blockade of Human Neutrophil Activation by 2-[2-propyl-3-[3-[2-ethyl-4-(4-fluorophenyl)-5-Hydroxyphenoxy]propoxy]phenoxy]benzoic Acid (LY293111), a Novel Leukotriene B4 Receptor Antagonist. *Biochem Pharmacol.* 1995 May 26;49(11):1683-90.

Wei-Gang Tong, et al. Leukotriene B4 Receptor Antagonist LY293111 Inhibits Proliferation and Induces Apoptosis in Human Pancreatic Cancer Cells. *Clin Cancer Res.* 2002 Oct;8(10):3232-42.

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