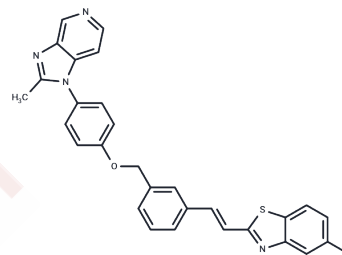


CP 96021

Chemical Properties

CAS No. : 139401-43-7
 Formula: C₂₉H₂₁FN₄O₅
 Molecular Weight: 492.57
 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	CP 96021 is a group of 5-HT ₁ receptors and 5-HT ₂ receptors antagonists that have anti-inflammatory properties and are non-self anti-ulcer compounds for the treatment of gastrointestinal tract and respiratory asthma.
Targets(IC ₅₀)	5-HT Receptor, Leukotriene Receptor, PAFR
In vivo	CP-96021 inhibits iv LTD ₄ - and iv PAF-induced bronchoconstriction in guinea pigs with ED ₅₀ s of 0.46 and 0.16 mg/kg p.o. respectively. CP-96021 effectively blocks the combined airway obstructive effects of endogenously released PAF and LTD ₄ stimulated by aerosolized antigen challenge in guinea pigs with an ED ₅₀ s of 1.8 mg/kg p.o.[1]

Solubility Information

Solubility	DMSO: 4.93 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0302 mL	10.1508 mL	20.3017 mL
5 mM	0.406 mL	2.0302 mL	4.0603 mL
10 mM	0.203 mL	1.0151 mL	2.0302 mL
50 mM	0.0406 mL	0.203 mL	0.406 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

Marfat A, et al. The discovery of CP-96,021 and CP-96,486, balanced, combined, potent and orally active leukotriene D4 (LTD4)/platelet activating factor (PAF) receptor antagonists. Bioorganic & Medicinal Chemistry Letters, 1995;5(13): 1377-1382.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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