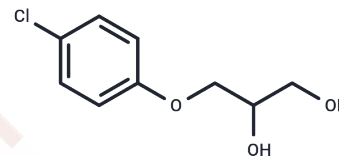


Chlorphenesin

Chemical Properties

CAS No. :	104-29-0
Formula:	C ₉ H ₁₁ ClO ₃
Molecular Weight:	202.63
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	Chlorphenesin (Chlorophenesin) is an antigen-associated immunosuppressant that inhibits IgE-mediated histamine release. It is also used as an antimycotic agent.
Targets(IC50)	Antibacterial,Antifungal,Histamine Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (271.43 mM),Sonication is recommended. H ₂ O: 8.99 mg/mL (44.37 mM),Sonication 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 (9.87 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	4.9351 mL	24.6755 mL	49.351 mL
5 mM	0.987 mL	4.9351 mL	9.8702 mL
10 mM	0.4935 mL	2.4676 mL	4.9351 mL
50 mM	0.0987 mL	0.4935 mL	0.987 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

Collman J P, et al. ChemInform Abstract: A SILICA-SUPPORTED RHODIUM HYDROFORMYLATION CATALYST: EVIDENCE FOR DINUCLEAR ELIMINATION[J]. 1983, 105(12):7288-7294.

Quan J, et al. Synthesis of polymeric prodrugs of chlorphenesin with saccharide branches by chemo-enzymatic regioselective strategy[J]. Polymer, 2007, 48(9):2595-2604.

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