

1beta-Hydroxyalantolactone

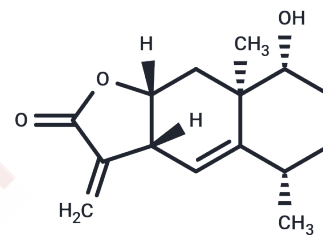
Chemical Properties

CAS No. : 68776-47-6

Formula: C₁₅H₂₀O₃

Molecular Weight: 248.32

Storage: Store at low temperature, Keep away from direct sunlight
 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	1beta-Hydroxyalantolactone is a small molecular compound isolated from the flower head of the medicinal plant giant British flower, which can inhibit the expression of TNF- α , IL-17 and IFN- γ in cells, promote the secretion of TNF- α , IFN- γ and IL-17, and prevent and treat rheumatoid arthritis.
Targets(IC50)	NF- κ B, IL Receptor, Interleukin, TNF
In vitro	Attenuating atopic dermatitis-like skin lesions induced by 2,4-dinitrochlorobenzene in the mouse, 1beta-Hydroxyalantolactone has been demonstrated[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0271 mL	20.1353 mL	40.2706 mL
5 mM	0.8054 mL	4.0271 mL	8.0541 mL
10 mM	0.4027 mL	2.0135 mL	4.0271 mL
50 mM	0.0805 mL	0.4027 mL	0.8054 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

Guochao Lin, et al. 1 β -Hydroxyalantolactone, a sesquiterpene lactone from *Inula japonica*, attenuates atopic dermatitis-like skin lesions induced by 2,4-dinitrochlorobenzene in the mouse. *Pharm Biol.* 2016;54(3):516-22.

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