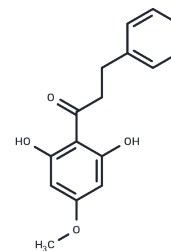


2',6'-Dihydroxy 4'-methoxydihydrochalcone

Chemical Properties

CAS No. :	35241-55-5
Formula:	C ₁₆ H ₁₆ O ₄
Molecular Weight:	272.30
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2',6'-Dihydroxy 4'-methoxydihydrochalcone is an orally active dihydrochalcone with antiplasmodial and anti-inflammatory activity, reducing IL-1 β , TNF, and nitrite production in vitro while modulating macrophage inflammatory protein secretion and preventing L-selectin cleavage in neutrophils. Toxicological evaluation showed no significant acute toxicity, reinforcing its applicability for inflammation-related pharmacology and infectious disease studies.
Targets(IC50)	IL Receptor, TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6724 mL	18.3621 mL	36.7242 mL
5 mM	0.7345 mL	3.6724 mL	7.3448 mL
10 mM	0.3672 mL	1.8362 mL	3.6724 mL
50 mM	0.0734 mL	0.3672 mL	0.7345 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

- Cerutti ML, et al. Effects of 2',6'-dihydroxy-4'-methoxydihydrochalcone on innate inflammatory response. *Naunyn Schmiedebergs Arch Pharmacol.* 2020 Nov;393(11):2061-2072.
- Bénédicte Portet, et al. Activity-guided isolation of antiplasmodial dihydrochalcones and flavanones from *Piper hostmannianum* var. *berbicense*. *Phytochemistry.* 2007 May;68(9):1312-20.

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