

MOSLOFLAVONE

Chemical Properties

CAS No. : 740-33-0

Formula: C₁₇H₁₄O₅

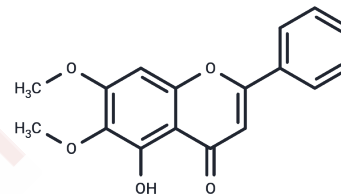
Molecular Weight: 298.29

Storage:

Keep away from direct sunlight,Keep away from moisture,Store under nitrogen

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	MOSLOFLAVONE showed promising anti-inflammatory activity via inhibition of TNF- α and IL-1 β with IC ₅₀ values of 0.71 μ M and 7.8 μ M, respectively.
Targets(IC ₅₀)	Antibacterial,IL Receptor,TNF,Virus Protease
In vitro	MOSLOFLAVONE showed promising anti-inflammatory activity via inhibition of TNF- α and IL-1 β with IC ₅₀ values of 0.71 μ M and 7.8 μ M, respectively,and also showed dose-dependent inhibition of TNF- α , IL-1 β and iNOS levels in the supernatant of mouse macrophage cell line J774A. MOSLOFLAVONE can be used as a starting point to discover lead structures for treatment of inflammatory and immunomodulatory diseases.

Solubility Information

Solubility	DMSO: 16.67 mg/mL (55.89 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	3.3524 mL	16.7622 mL	33.5244 mL
5 mM	0.6705 mL	3.3524 mL	6.7049 mL
10 mM	0.3352 mL	1.6762 mL	3.3524 mL
50 mM	0.067 mL	0.3352 mL	0.6705 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

Singh B , Sidiq T , Joshi P , et al. Anti-inflammatory and immunomodulatory flavones from *Actinocarya tibetica* Benth.[J]. *Natural Product Research*, 2013, 27(23):2227-2230.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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