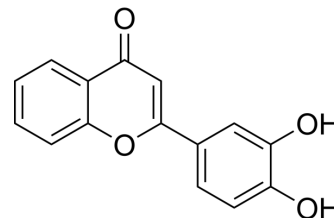


3',4'-Dihydroxyflavone

Cat. No.:	HY-127167
CAS No.:	4143-64-0
Molecular Formula:	C ₁₅ H ₁₀ O ₄
Molecular Weight:	254.24
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (491.66 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.9333 mL	19.6665 mL	39.3329 mL
		5 mM	0.7867 mL	3.9333 mL	7.8666 mL
	10 mM	0.3933 mL	1.9666 mL	3.9333 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	3',4'-Dihydroxyflavone is a flavonoid. 3',4'-Dihydroxyflavone has antiallergic activity with an IC ₅₀ value of 30 μM. 3',4'-Dihydroxyflavone can be used for the research of type I allergy ^[1] .
IC ₅₀ & Target	IC ₅₀ : 30 μM (antiallergic activity) ^[1]

REFERENCES

[1]. Sato A, et al. High antiallergic activity of 5,6,4'-trihydroxy-7,8,3'-trimethoxyflavone and 5,6-dihydroxy-7,8,3',4'-tetramethoxyflavone from eau de cologne mint (*Mentha piperita* citrata). *Fitoterapia*. 2015 Apr;102:74-83.

Caution: Product has not been fully validated for medical applications. For research use only.

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