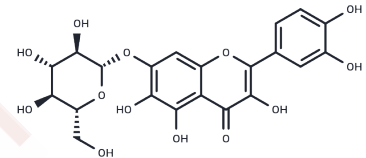


Quercetagitrin

Chemical Properties

CAS No. :	548-75-4
Formula:	C ₂₁ H ₂₀ O ₁₃
Molecular Weight:	480.38
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Quercetagitrin (Quercetagenin-7-O-glucoside), isolated from the African Marigold (Tagetes erecta), exhibits anti-inflammatory activity.
Targets(IC50)	Others,NF-κB,Microtubule Associated,Phosphatase

Solubility Information

Solubility	DMSO: 135 mg/mL (281.03 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 (4.16 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	2.0817 mL	10.4084 mL	20.8169 mL
5 mM	0.4163 mL	2.0817 mL	4.1634 mL
10 mM	0.2082 mL	1.0408 mL	2.0817 mL
50 mM	0.0416 mL	0.2082 mL	0.4163 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

BY P. SURYAPRAKASA RAO, et al. Isolation and constitution of quercetagitrin, a glucoside of quercetagetin. Proceedings of the Indian Academy of Sciences - Section A. 1941.

Tordera M, et al. Influence of anti-inflammatory flavonoids on degranulation and arachidonic acid release in rat neutrophils. Z Naturforsch C. 1994 Mar-Apr;49(3-4):235-40.

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