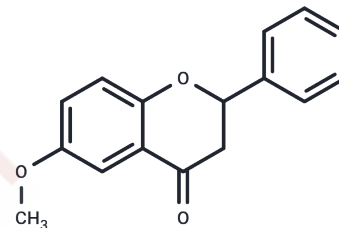


6-Methoxyflavanone

Chemical Properties

CAS No. :	3034-04-6
Formula:	C ₁₆ H ₁₄ O ₃
Molecular Weight:	254.28
Storage:	Store under nitrogen 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	6-Methoxyflavanone (6-MeOF) is a positive allosteric modulator of the GABA response in human recombinant GABA A receptors, exhibiting antianxiety and anti-inflammatory properties, and is used to alleviate cisplatin-induced neuropathic pain.
Targets(IC50)	GABA Receptor, Taste receptor

Solubility Information

Solubility	DMSO: 15 mg/mL (58.99 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 (7.87 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	3.9327 mL	19.6634 mL	39.3267 mL
5 mM	0.7865 mL	3.9327 mL	7.8653 mL
10 mM	0.3933 mL	1.9663 mL	3.9327 mL
50 mM	0.0787 mL	0.3933 mL	0.7865 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

Akbar S, et al. Characterization of 6-methoxyflavanone as a novel anxiolytic agent: A behavioral and pharmacokinetic approach. Eur J Pharmacol. 2017 Apr 15;801:19-27.

Roland WS, et al. 6-methoxyflavanones as bitter taste receptor blockers for hTAS2R39. PLoS One. 2014 Apr 10;9(4): e94451.

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