

Robustaflavone

Chemical Properties

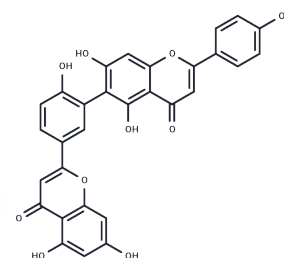
CAS No. : 49620-13-5

Formula: C₃₀H₁₈O₁₀

Molecular Weight: 538.46

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Robustaflavone is a naturally occurring biflavanoid isolated from <i>Rhus succedanea</i> and is a hepatitis B virus replication inhibitor.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8571 mL	9.2857 mL	18.5715 mL
5 mM	0.3714 mL	1.8571 mL	3.7143 mL
10 mM	0.1857 mL	0.9286 mL	1.8571 mL
50 mM	0.0371 mL	0.1857 mL	0.3714 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.

Reference

- Rizk YS, Fischer A, Cunha Mde C, Rodrigues PO, Marques MC, Matos Mde F, Kadri MC, Carollo CA, Arruda CC. In vitro activity of the hydroethanolic extract and biflavonoids isolated from *Selaginella sellowii* on *Leishmania* (*Leishmania*) *amazonensis*. *Mem Inst Oswaldo Cruz*. 2014 Dec;109(8):1050-6. doi: 10.1590/0074-0276140312. PubMed PMID: 25591109; PubMed Central PMCID: PMC4325620.
- Wang G, Yao S, Zhang XX, Song H. Rapid Screening and Structural Characterization of Antioxidants from the Extract of *Selaginella doederleinii* Hieron with DPPH-UPLC-Q-TOF/MS Method. *Int J Anal Chem*. 2015;2015:849769. doi: 10.1155/2015/849769. Epub 2015 Feb 22. PubMed PMID: 25792983; PubMed Central PMCID: PMC4352518.
- Zembower DE, Lin YM, Flavin MT, Chen FC, Korba BE. Robustaflavone, a potential non-nucleoside anti-hepatitis B agent. *Antiviral Res*. 1998 Aug;39(2):81-8. PubMed PMID: 9806485.
- Wang J, Liu S, Ma B, Chen L, Song F, Liu Z, Liu CM. Rapid screening and detection of XOD inhibitors from *S. tamariscina* by ultrafiltration LC-PDA-ESI-MS combined with HPLC. *Anal Bioanal Chem*. 2014 Nov;406(28):7379-87. doi: 10.1007/s00216-014-8132-x. Epub 2014 Sep 21. PubMed PMID: 25240932.

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