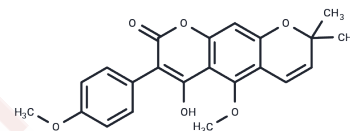


Robustic acid

Chemical Properties

CAS No. :	5307-59-5
Formula:	C ₂₂ H ₂₀ O ₆
Molecular Weight:	380.39
Storage:	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	Robustic acid is a coumarin extracted from <i>Millettia thonningii</i> .
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6289 mL	13.1444 mL	26.2888 mL
5 mM	0.5258 mL	2.6289 mL	5.2578 mL
10 mM	0.2629 mL	1.3144 mL	2.6289 mL
50 mM	0.0526 mL	0.2629 mL	0.5258 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

- Lyddiard JR, Whitfield PJ, Bartlett A. Antischistosomal bioactivity of isoflavonoids from *Millettia thonningii* (Leguminosae). *J Parasitol.* 2002 Feb;88(1):163-70. PubMed PMID: 12053958.
- Yang LF, Wang K, Jiang MG, Liu HC, Wang X, Qin PY, Ouyang QL. Isolation and characterization of a new bioactive isoflavone from *Derris eriocarpa*. *J Asian Nat Prod Res.* 2015;17(10):1002-9. doi: 10.1080/10286020.2015.1042370. Epub 2015 Aug 14. PubMed PMID: 26275038.
- Ayine-Tora DM, Kingsford-Adaboh R, Asomaning WA, Harrison JJ, Mills-Robertson FC, Bukari Y, Sakyi PO, Kaminta S, Reynisson J. Coumarin Antifungal Lead Compounds from *Millettia thonningii* and Their Predicted Mechanism of Action. *Molecules.* 2016 Oct 15;21(10). pii: E1369. PubMed PMID: 27754464.
- Wang BH, Ternai B, Polya G. Specific inhibition of cyclic AMP-dependent protein kinase by warangalone and robustic acid. *Phytochemistry.* 1997 Mar;44(5):787-96. PubMed PMID: 9115691.

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