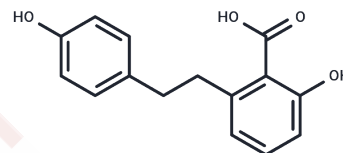


Lunularic acid

Chemical Properties

CAS No. :	23255-59-6
Formula:	C ₁₅ H ₁₄ O ₄
Molecular Weight:	258.27
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	Lunularic acid, a dihydrostilbene analog, efficiently inhibits hyaluronidase activity (IC ₅₀ =0.13 nM) and can be used as an endogenous growth inhibitor in moss plants. Lunularic acid also possesses antioxidant and anti-inflammatory properties, which can be used to study the growth regulation and pharmacological activities of moss plants.
Targets(IC ₅₀)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8719 mL	19.3596 mL	38.7192 mL
5 mM	0.7744 mL	3.8719 mL	7.7438 mL
10 mM	0.3872 mL	1.936 mL	3.8719 mL
50 mM	0.0774 mL	0.3872 mL	0.7744 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

- Mukkamala R, et al. Valuable building block for the synthesis of lunularic acid, hydrangeic acid and their analogues. *Nat Prod Res.* 2017 May;31(9):1085-1090.
- Ghosh TK, et al. Abscisic acid-induced gene expression in the liverwort *Marchantia polymorpha* is mediated by evolutionarily conserved promoter elements. *Physiol Plant.* 2016 Apr;156(4):407-20.
- Fang X, et al. Two new compounds from *Hicriopteris glauca* and their potential antitumor activities. *J Asian Nat Prod Res.* 2012;14(12):1175-9.
- Zhou K, et al. [Chemical constituents of fresh celery]. *Zhongguo Zhong Yao Za Zhi.* 2009 Jun;34(12):1512-5. Chinese.

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