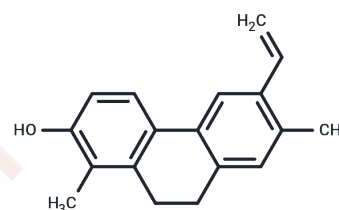


Juncuenin A

Chemical Properties

CAS No. :	1161681-18-0
Formula:	C ₁₈ H ₁₈ O
Molecular Weight:	250.33
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	Juncuenin A is a natural phenolic compound that exhibits anxiolytic effects in mouse models.
Targets(IC50)	Others
In vivo	Methods: Male CD-1 mice with anxiety model were intervened with a single oral dose of Juncuenin A (5-10 mg/kg). Results: Juncuenin A exhibited anxiolytic activity, as evidenced by prolonged OT (time spent in open arms) and increased OE (number of entries into open arms) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9947 mL	19.9736 mL	39.9473 mL
5 mM	0.7989 mL	3.9947 mL	7.9895 mL
10 mM	0.3995 mL	1.9974 mL	3.9947 mL
50 mM	0.0799 mL	0.3995 mL	0.7989 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

Sun L, et al. Anxiolytic effect of a novel 9,10-dihydrophenanthrene, juncuenin H, is associated with metabolic changes in cortical serotonin/dopamine levels in mice. *Fitoterapia*. 2019;134:165-171.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481