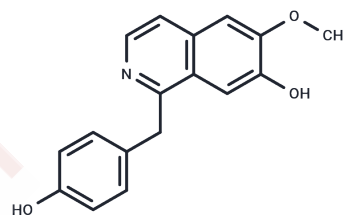


Juzirine

Chemical Properties

CAS No. :	64069-53-0
Formula:	C ₁₇ H ₁₅ NO ₃
Molecular Weight:	281.31
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	Juzirine is a member of the class of benzylisoquinolines. Benzylisoquinolines are organic compounds containing an isoquinoline to which a benzyl group is attached. Juzirine, practically insoluble (in water), is a very weakly acidic compound (based on its pKa). Juzirine can exist in fruits, which can be used as a potential biomarker for the consumption of this food product. Juzirine is an alkaloid from the leaves of Zizyphus jujuba (Chinese date).
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5548 mL	17.774 mL	35.548 mL
5 mM	0.711 mL	3.5548 mL	7.1096 mL
10 mM	0.3555 mL	1.7774 mL	3.5548 mL
50 mM	0.0711 mL	0.3555 mL	0.711 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

- Han CR, Zhu GY, Chen GY, Zhang HY, Bi HP, Fang HX. [Studies on the alkaloids from stem of Artabotrys hainanensis]. Zhongguo Zhong Yao Za Zhi. 2005 Nov;30(21):1660-2. Chinese. PubMed PMID: 16400942.
- Yin S, Jin H, Jin B, Hong S. [Alkaloids in the seeds of Zyziphs jujuba Mill]. Zhongguo Zhong Yao Za Zhi. 1997 May;22(5):296-7, 320. Chinese. PubMed PMID: 11038965.

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