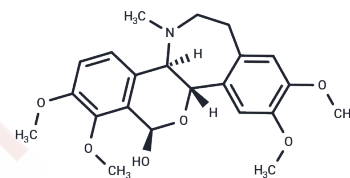


Alpinigenine

Chemical Properties

CAS No. :	14028-91-2
Formula:	C ₂₂ H ₂₇ N ₁ O ₆
Molecular Weight:	401.45
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	Alpinigenine is a papaveraceous alkaloid.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.491 mL	12.4549 mL	24.9097 mL
5 mM	0.4982 mL	2.491 mL	4.9819 mL
10 mM	0.2491 mL	1.2455 mL	2.491 mL
50 mM	0.0498 mL	0.2491 mL	0.4982 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

- Shafiee A, Lalezari I, Assadi F, Khalafi F. Alkaloids of *Papaver orientale* L. J Pharm Sci. 1977 Jul;66(7):1050-2. PubMed PMID: 886446.
- Lalezari I, Shafiee A, Nasserri-Nouri P. Isolation of alpinigenine from *Papaver bracteatum*. J Pharm Sci. 1973 Oct;62(10):1718. PubMed PMID: 4752122.
- Phillipson JD, Scutt A, Baytop A, Ozhatay N, Sariyar G. Alkaloids from Turkish samples of *Papaver orientale* and *P. pseudo-orientale*. Planta Med. 1981 Nov;43(11):261-71. PubMed PMID: 17402043.
- Schewe, Müller W. [Inhibition of the respiratory chain by the alkaloids berberine sulfate, alpinigenine, and tetrahydropalmatine]. Acta Biol Med Ger. 1976;35(7):1019-21. German. PubMed PMID: 189537.

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