

Rescinnamine

Chemical Properties

CAS No.:	24815-24-5
Formula:	C35H42N2O9
Molecular Weight:	634.73
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Rescinnamine is an inhibitor of angiotensin-converting enzyme. It also is a vinca alkaloid obtained from <i>Rauwolfia serpentina</i> and other species of <i>Rauwolfia</i> . It used as an antihypertensive drug.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.575 mL	7.877 mL	15.755 mL
5 mM	0.315 mL	1.575 mL	3.151 mL
10 mM	0.158 mL	0.788 mL	1.575 mL
50 mM	0.032 mL	0.158 mL	0.315 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Wiens B, De Luca V. Molecular and biochemical characterization of a benzenoid/phenylpropanoid meta/para-O-methyltransferase from *Rauwolfia serpentina* roots. *Phytochemistry*. 2016 Dec;132:5-15. doi: 10.1016/j.phytochem.2016.10.004. Epub 2016 Oct 19. PubMed PMID: 27771009.
- Fadaeinasab M, Basiri A, Kia Y, Karimian H, Ali HM, Murugaiyah V. New Indole Alkaloids from the Bark of *Rauwolfia Reflexa* and their Cholinesterase Inhibitory Activity. *Cell Physiol Biochem*. 2015;37(5):1997-2011. doi: 10.1159/000438560. Epub 2015 Nov 20. PubMed PMID: 26584298.
- Iqbal M, Alam A, Wani TA, Khalil NY. Simultaneous determination of reserpine, rescinnamine, and yohimbine in human plasma by ultraperformance liquid chromatography tandem mass spectrometry. *J Anal Methods Chem*. 2013;2013:940861. doi: 10.1155/2013/940861. Epub 2013 Dec 5. PubMed PMID: 24383039; PubMed Central PMCID: PMC3870115.
- AbdelHafez EM, Diamanduros A, Negureanu L, Luy Y, Bean JH, Zielke K, Crowe B, Vasilyeva A, Clodfelter JE, Aly OM, Abuo-Rahma GE, Scarpinato KD, Salsbury FR Jr, King SB. Computational and synthetic studies towards improving rescinnamine as an inducer of MSH2-dependent apoptosis in cancer treatment. *Mol Cancer Biol*. 2013;1(1). pii: 44. PubMed PMID: 25485184; PubMed Central PMCID: PMC4254817.

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