

Dicentrine, (-)-

**Chemical Properties**

CAS No.:	28832-07-7
Formula:	C <sub>20</sub> H <sub>21</sub> NO <sub>4</sub>
Molecular Weight:	339.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Dicentrine, (-)- is an aporphinic alkaloid found in several plant species, which showed significant antinociceptive activity in an acute model of visceral pain in mice.
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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	2.946 mL	14.732 mL	29.465 mL
5 mM	0.589 mL	2.946 mL	5.893 mL
10 mM	0.295 mL	1.473 mL	2.946 mL
50 mM	0.059 mL	0.295 mL	0.589 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

1. Tiwari S, Awasthi M, Singh S, Pandey VP, Dwivedi UN. Modulation of interaction of mutant TP53 and wild type BRCA1 by alkaloids: a computational approach towards targeting protein-protein interaction as a futuristic therapeutic intervention strategy for breast cancer impediment. *J Biomol Struct Dyn*. 2017 Oct 23;1-12. doi: 10.1080/07391102.2017.1388286. [Epub ahead of print] PubMed PMID: 28978265.
2. Ma P, Li T, Ji F, Wang H, Pang J. Effect of GABA on blood pressure and blood dynamics of anesthetic rats. *Int J Clin Exp Med*. 2015 Aug 15;8(8):14296-302. eCollection 2015. PubMed PMID: 26550413; PubMed Central PMCID: PMC4613098.
3. Lin HF, Huang HL, Liao JF, Shen CC, Huang RL. Dicentrine Analogue-Induced G2/M Arrest and Apoptosis through Inhibition of Topoisomerase II Activity in Human Cancer Cells. *Planta Med*. 2015 Jul;81(10):830-7. doi: 10.1055/s-0035-1546128. Epub 2015 Jul 9. PubMed PMID: 26158522.
4. Dong JW, Cai L, Fang YS, Xiao H, Li ZJ, Ding ZT. Proaporphine and aporphine alkaloids with acetylcholinesterase inhibitory activity from *Stephania epigaea*. *Fitoterapia*. 2015 Jul;104:102-7. doi: 10.1016/j.fitote.2015.05.019. Epub 2015 May 29. PubMed PMID: 26028544.

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