



## Product Information

Product ID T1678

CAS No. 10097-84-4

Chemical Name 5,8,13,13a-Tetrahydro-2,3,9,10-tetramethoxy-6H-dibenzo[a,g]quinolizine

Synonym Tetrahydropalmatine, Hynndarin

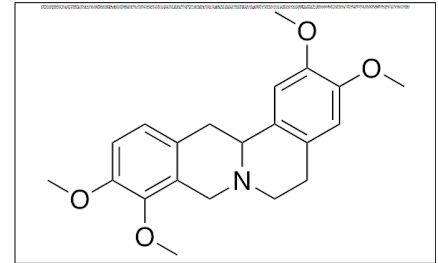
Formula  $C_{21}H_{25}NO_4$

Formula Wt. 355.43

Melting Point 148-149 °C

Purity ≥98%

Solubility



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
T1678	100 mg	\$75.80
T1678	500 mg	\$278.50

Store Temp Ambient

Ship Temp Ambient

**Description** D,L-Tetrahydropalmatine is an alkaloid found in *Corydalis* and *Stephania* that exhibits analgesic, antinociceptive, anxiolytic, antidepressant, and anti-parasitic activities. This compound inhibits D1/2 receptors and may also inhibit L-type Ca<sup>2+</sup> channels and some K<sup>+</sup> channels. D,L-Tetrahydropalmatine decreases anxiety measures in the elevated plus maze and alters thresholds in assays of thermal, mechanical, and chemical pain. D,L-Tetrahydropalmatine also inhibits growth of *Plasmodium*.

**References** Baghdikian B, Mahiou-Leddet V, Bory S, et al. New antiplasmodial alkaloids from *Stephania rotunda*. *J Ethnopharmacol.* 2013 Jan 9;145(1):381-5. PMID: 23127648.

Cao FL, Shang GW, Wang Y, et al. Antinociceptive effects of intragastric DL-tetrahydropalmatine on visceral and somatic persistent nociception and pain hypersensitivity in rats. *Pharmacol Biochem Behav.* 2011 Nov;100(1):199-204. PMID: 21889526.

Henkes H, Franz M, Kendall O, et al. Evaluation of the anxiolytic properties of tetrahydropalmatine, a *Corydalis yanhusuo* compound, in the male Sprague-Dawley rat. *AANA J.* 2011 Aug;79(4 Suppl):S75-80. PMID: 22403971.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.