



LKT Laboratories, Inc.

Cytisine

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Product Information

Product ID C9779

CAS No. 485-35-8

Chemical Name

Synonym (-)-Cytisine

Formula $C_{11}H_{14}N_2O$

Formula Wt. 190.24

Melting Point 154-156°C

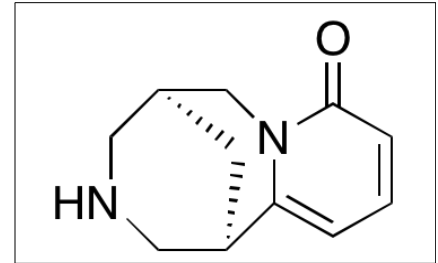
Purity $\geq 98\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

Description Cytisine is an alkaloid originally found in *Laburnum*, *Cytisus*, and other *Fabaceae*-family plants. Cytisine exhibits antidepressant activity in vivo and activates nicotinic acetylcholine receptors (nAChRs), acting as a partial agonist at $\alpha 4\beta 2$ nAChRs and a full agonist at $\alpha 3\beta 4$ nAChRs. Cytisine is structurally similar to nicotine and shows some clinical benefit in increasing smoking cessation rates.



Bulk quantities available upon request

Product ID	Size
C9779	5 mg
C9779	25 mg
C9779	100 mg

References Hajek P, McRobbie H, Myers K. Efficacy of cytisine in helping smokers quit: systematic review and meta-analysis. *Thorax*. 2013 Nov;68(11):1037-42. PMID: 23404838.

Simeonova R, Vitcheva V, Mitcheva M. Effect of cytisine on some brain and hepatic biochemical parameters in spontaneously hypertensive rats. *Interdiscip Toxicol*. 2010 Mar;3(1):21-5. PMID: 21217867.

Mineur YS, Somenzi O, Picciotto MR. Cytisine, a partial agonist of high-affinity nicotinic acetylcholine receptors, has antidepressant-like properties in male C57BL/6J mice. *Neuropharmacology*. 2007 Apr;52(5):1256-62. PMID: 17320916.

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