



LKT Laboratories, Inc.

## Pizotyline Malate

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### Product Information

**Product ID** P3597

**CAS No.** 5189-11-7

**Chemical Name** 4-(9,10-Dihydro-4H-benzo[4,5]cyclohepta[1,2-b]thien-4ylidene)-1-methylpiperidine

**Synonym** Pizotifen, Pizotifan, BC105

**Formula**  $C_{19}H_{21}NS \cdot C_4H_6O_5$

**Formula Wt.** 429.54

**Melting Point** 185-186°C (dec)

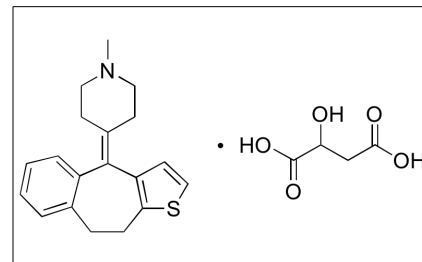
**Purity** ≥98%

**Solubility** Very slightly soluble in water. Slightly soluble in chloroform and ethanol.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Pizotyline is a stimulant that acts as an antagonist at 5-HT<sub>2C</sub> receptors and as a partial agonist at 5-HT<sub>1A</sub> receptors. Pizotyline is clinically used to treat migraines, but also inhibits drug-induced lever press responding in drug discrimination models.



**Bulk quantities available upon request**

Product ID	Size
P3597	1 g
P3597	5 g
P3597	10 g

**References** Young R, Khorana N, Bondareva T, et al. Pizotyline effectively attenuates the stimulus effects of N-methyl-3,4-methylenedioxyamphetamine (MDMA). *Pharmacol Biochem Behav.* 2005 Oct;82(2):404-10. PMID: 16253319.

Strachan AT, Leiper JB, Maughan RJ. Serotonin<sub>2C</sub> receptor blockade and thermoregulation during exercise in the heat. *Med Sci Sports Exerc.* 2005 Mar;37(3):389-94. PMID: 15741836.

Newman-Tancredi A, Conte C, Chaput C, et al. Agonist activity of antimigraine drugs at recombinant human 5-HT<sub>1A</sub> receptors: potential implications for prophylactic and acute therapy. *Naunyn Schmiedeberg Arch Pharmacol.* 1997 Jun;355(6):682-8. PMID: 9205951.

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