



Product Information

Product ID B7058
CAS No. 980-71-2
Chemical Name

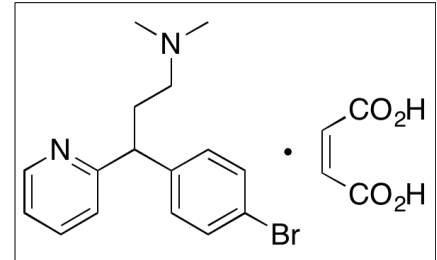
Synonym

Formula $C_{16}H_{19}BrN_2 \cdot C_4H_4O_4$
Formula Wt. 435.31
Melting Point
Purity $\geq 98\%$
Solubility

Store Temp Ambient

Ship Temp Ambient

Description Brompheniramine is a halogenated antihistamine derivative of pheniramine that exhibits anticholinergic and neuromodulatory activities. Brompheniramine inhibits the H1 histamine receptor and also displays non-selective inhibition of muscarinic acetylcholine receptors (mAChRs). Brompheniramine inhibits histamine-induced vasodilation and also potentiates the effects of opioid analgesics. Additionally, brompheniramine is the parent compound of zimelidine, a selective serotonin reuptake inhibitor (SSRI) that exhibits antidepressant activity; zimelidine inhibits pre-synaptic 5-HT reuptake and may inhibit the serotonin transporter (SERT) or monoamine oxidase B (MAO-B).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B7058	10 mg	\$71.30
B7058	25 mg	\$157.00
B7058	100 mg	\$499.50

References Egashira T, Takayama F, Yamanaka Y. The inhibition of monoamine oxidase activity by various antidepressants: differences found in various mammalian species. *Jpn J Pharmacol.* 1999 Sep;81(1):115-21. PMID: 10580379.

Yasuda SU, Yasuda RP. Affinities of brompheniramine, chlorpheniramine, and terfenadine at the five human muscarinic cholinergic receptor subtypes. *Pharmacotherapy.* 1999 Apr;19(4):447-51. PMID: 10212017.

Tatsumi M, Groshan K, Blakely RD, et al. Pharmacological profile of antidepressants and related compounds at human monoamine transporters. *Eur J Pharmacol.* 1997 Dec 11;340(2-3):249-58. PMID: 9537821.

Dachman WD, Bedarida G, Blaschke TF, et al. Histamine-induced venodilation in human beings involves both H1 and H2 receptor subtypes. *J Allergy Clin Immunol.* 1994 Mar;93(3):606-14. PMID: 8151062.

Ogren SO, Ross SB, Hall H, et al. The pharmacology of zimelidine: a 5-HT selective reuptake inhibitor. *Acta Psychiatr Scand Suppl.* 1981;290:127-51. PMID: 6452789.

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