



## Product Information

Product ID B1955  
CAS No. 132-17-2  
Chemical Name

Synonym

Formula  $C_{21}H_{25}NO \cdot CH_4O_3S$   
Formula Wt. 403.53

Melting Point

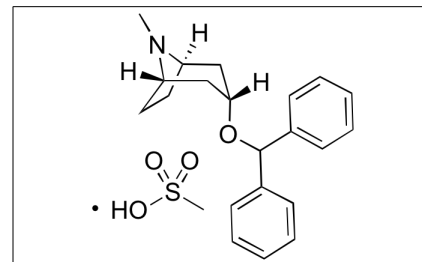
Purity  $\geq 99\%$

Solubility Soluble in water (81 mg/ml at 25°C), DMSO (50 mg/ml at 25°C), ethanol (81 mg/ml at 25°C), and ether (very slightly).

Store Temp Ambient

Ship Temp Ambient

Description Benztropine is an inhibitor of the dopamine transporter (DAT); it potentiates dopamine overflow in rat brain slices.



*Bulk quantities available upon request*

Product ID	Size
B1955	1 g
B1955	5 g
B1955	25 g

**References** Ukairo OT, Bondi CD, Newman AH, et al. Recognition of benztropine by the dopamine transporter (DAT) differs from that of the classical dopamine uptake inhibitors cocaine, methylphenidate, and mazindol as a function of a DAT transmembrane 1 aspartic acid residue. *J Pharmacol Exp Ther.* 2005 Aug;314(2):575-83. PMID: 15879005.

Wieczorek WJ, Kruk ZL. A quantitative comparison on the effects of benztropine, cocaine and nomifensine on electrically evoked dopamine overflow and rate of re-uptake in the caudate putamen and nucleus accumbens in the rat brain slice. *Brain Res.* 1994 Sep 19;657(1-2):42-50. PMID: 7820642.

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