

DATA SHEET

Product Name: Benztropine Mesylate

Catalog #: N-3012

Alt: CAS# 132-17-2; (3-endo)-3-(diphenylmethoxy)-8-methyl-8-azabicyclo[3.2.1]octane, methanesulfonate

Source: Synthetic

Molecular Mass: 403.5 C₂₁H₂₅NO • CH₄SO₃

Analysis: 98% (TLC); NMR (Conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (35 mg/ml); or ethanol (5 mg/ml, warm)

Storage: Store desiccated as supplied at ambient temperature for up to 1 year. Store solutions at -20°C for up to 3 months.

Description: Centrally acting M1 muscarinic acetylcholine receptor antagonist (K_i=0.59 nM, rat)¹. Also inhibits the dopamine transporter (K_i=160 nM)². Enhances remyelination and significantly decreases clinical severity in the experimental autoimmune encephalomyelitis model of relapsing-remitting multiple sclerosis alone or in combination with immunosuppressive agents³. Inhibits hepatitis C virus infection⁴.

References:

1. Zhang, Y., et al., (2001) J. Med. Chem., 44 : 3937
2. Schmitt, K.C., et al., (2008) J. Neurochem., 107 : 928
3. Deshmukh, V.A., et al., (2013) Nature, 502 : 327
4. Mingorance, L., et al., (2014) Antimicrob. Agents Chemother, 58 : 3451

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