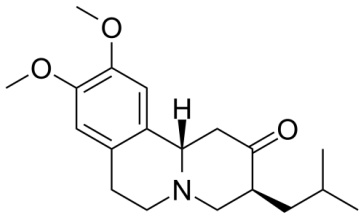
Data Sheet

Product Name:	Tetrabenazine
Cat. No.:	CS-2801
CAS No.:	58-46-8
Molecular Formula:	C19H27NO3
Molecular Weight:	317.42
Target:	Monoamine Transporter
Pathway:	Membrane Transporter/Ion Channel
Solubility:	DMSO : ≥ 3.2 mg/mL (10.08 mM)



relative stereochemistry

BIOLOGICAL ACTIVITY:

Tetrabenazine is a VMAT-inhibitor used for treatment of hyperkinetic movement disorder. Target: Others tetrabenazine (TBZ), a monoamine-depleting and a dopamine-receptor-blocking drug. TBZ is an effective and safe drug for the treatment of a variety of hyperkinetic movement disorders. In contrast to typical neuroleptics, TBZ has not been demonstrated to cause tardive dyskinesia [1, 2]. Twenty patients with tardive dyskinesia (mean duration = 43.7 months) were videotaped before and after tetrabenazine treatment. One patient did not tolerate tetrabenazine owing to sedation. The remaining 19 were rated after a mean of 20.3 weeks at a mean tetrabenazine dose of 57.9 mg/day. There were significant improvements in mean scores on both the patient AIMS self-rating and the AIMS motor subset evaluated by the blind videotape raters. All 19 patients continued to take tetrabenazine after the study [3].

References:

[1]. Jankovic, J. and J. Beach, Long-term effects of tetrabenazine in hyperkinetic movement disorders. Neurology, 1997. 48(2): p. 358-62.

[2]. Kenney, C., C. Hunter, and J. Jankovic, Long-term tolerability of tetrabenazine in the treatment of hyperkinetic movement disorders. Mov Disord, 2007. 22(2): p. 193-7.

[3]. Ondo, W.G., P.A. Hanna, and J. Jankovic, Tetrabenazine treatment for tardive dyskinesia: assessment by randomized videotape protocol. Am J Psychiatry, 1999. 156(8): p. 1279-81.

CAIndexNames:

2H-Benzo[a]quinolizin-2-one, 1,3,4,6,7,11b-hexahydro-9,10-dimethoxy-3-(2-methylpropyl)-, (3R,11bR)-rel-

SMILES:

O=C1[C@@H](CC(C)C)CN2CCC3=CC(OC)=C(OC)C=C3[C@]2([H])C1.[relative stereochemistry]

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA