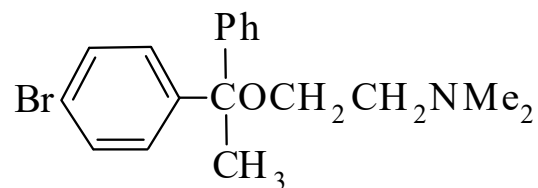




>>Entry Name: Embramine, BAN, INN

Synonym(s): 2-[1-(4-Bromophenyl)-1-phenylethoxy]-*N,N*-dimethylethanamine, 9Cl. *N*-2-(4-Bromo- α -methylbenzhydryloxy)-*N,N*-dimethylethylamine. Mebrophenhydramine



CAS Registry Number: 3565-72-8

Type of Compound Code(s): XA4510

Molecular Formula: C₁₈H₂₂BrNO

Molecular Weight: 348.282

Accurate Mass: 347.108475

Percentage Composition: C 62.08%; H 6.37%; Br 22.94%; N 4.02%; O 4.59%

Use/Importance: Histamine H₁-receptor antagonist

>>Variant: ($\pm$)-form

Molecular Formula: C₁₈H₂₂BrNO

Molecular Weight: 348.282

Accurate Mass: 347.108475

Percentage Composition: C 62.08%; H 6.37%; Br 22.94%; N 4.02%; O 4.59%

Physical Description: Oil

Boiling Point: Bp₁ 163-170°

>>Derivative: Hydrochloride

Synonym(s): Bromadryl. **Mebryl**‡

CAS Registry Number: 13977-28-1

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 152-155°

Hazard & Toxicity: LD₅₀ (mus, orl) 330 mg/kg

>>Derivative: Compd. with 8-Chlorotheophylline (1:1)

Synonym(s): Embramine teoclate. Mebrophenhydrinate. Medrin

CAS Registry Number: 21661-63-2

Type of Compound Code(s): XA1500

Use/Importance: Antiemetic

Melting Point: Mp 158-160°

References:

Novak, L. *et al.*, *Coll. Czech. Chem. Comm.*, 1959, **24**, 3966, (*synth, pharmacol*)

Francova, V., *Arzneim.-Forsch.*, 1962, **12**, 709, (*metab*)

Protiva, M. *et al.*, *Pharmacotherapeutica*, 1963, 267, (*rev, pharmacol*)

Ger. Pat., 1967, 1 240 877; *CA*, **67**, 73338, (*synth*)

Seidlova, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1971, **36**, 299, (*synth, deriv*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 939

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BMN250