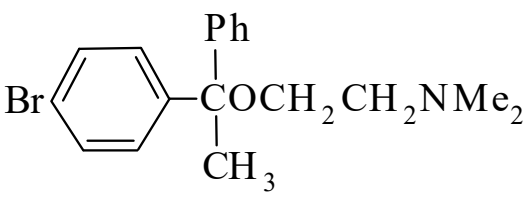
>>**Entry Name: Embramine,** BAN, INN

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



CAS Registry Number: 3565-72-8
Type of Compound Code(s): XA4510

Molecular Formula: $C_{18}H_{22}BrNO$
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 H_1-receptor antagonist

>>**Variant:** (±)-form

Molecular Formula: $C_{18}H_{22}BrNO$
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: Bp_1 163-170°

>>**Derivative:** Hydrochloride
Synonym(s): Bromadryl. **Mebryl**‡

CAS Registry Number: 13977-28-1
Physical Description: Cryst. (Me_2CO/Et_2O)
Melting Point: Mp 152-155°
Hazard & Toxicity: LD_{50} (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:

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