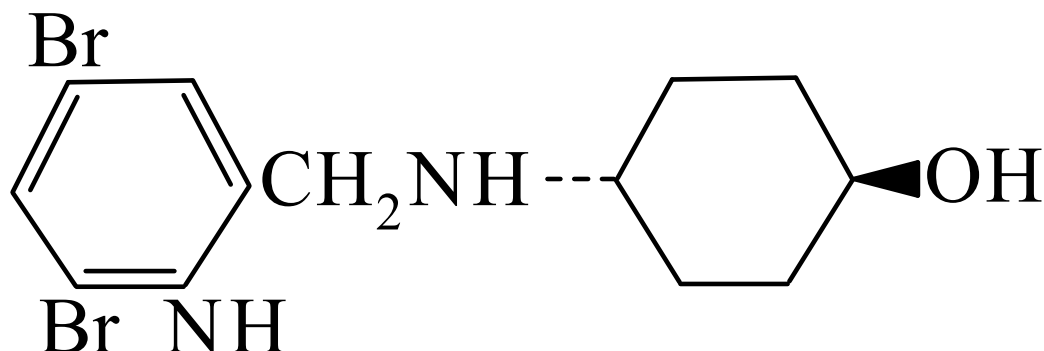


>>Entry Name: Ambroxol, INN

Synonym(s): 4-[[2-Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol, 9Cl. NA 872



Related CAS Registry Numbers(s): 23828-92-4 96989-76-3 107814-37-9

Molecular Formula: C₁₃H₁₈Br₂N₂O

Molecular Weight: 378.106

Accurate Mass: 376.018585

Percentage Composition: C 41.30%; H 4.80%; Br 42.27%; N 7.41%; O 4.23%

Source/Synthesis: Metab. of Bromhexine [DVS81-G](#)

Biological Use/Importance: Expectorant. Enhances pulmonary surfactant production. Investigated for treatment of paraquat poisoning. Antioxidant props.

Calculated Log P Data: Log P 2.32 (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 380 mg/kg

>> **Variant:** (1*RS*,4*RS*)-form

Synonym(s): *trans*-form

CAS Registry Number: 18683-91-5

Molecular Formula: C₁₃H₁₈Br₂N₂O

Molecular Weight: 378.106

Accurate Mass: 376.018585

Percentage Composition: C 41.30%; H 4.80%; Br 42.27%; N 7.41%; O 4.23%

Sigma: A9797

>> **Derivative:** Hydrochloride

Synonym(s): Ambroxol hydrochloride, JAN. Abramen. Ambril. Ambrohexal. Ambrolitic. Amobronc. Bronchopront. Dignobroxol. Expit. Fluibron. Fluixol. Gelopol. Lindoxyl. Lisopulm. Mibrox. Motosol. Mucobron. Mucovent. Pulmonal S. Surfactal. Viscomucil. Many other names