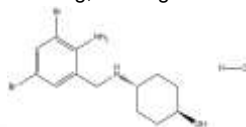


PRODUCT: Ambroxol hydrochloride**RELATED PRODUCTS:**

Aconitine (2423)

Veratridine (2422)

ALTERNATE NAME: *trans*-4-[[[(2-Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol hydrochloride**CATALOG #:** 9688-100, 500**AMOUNT:** 100 mg, 500 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₃H₁₈Br₂N₂O.HCl**MOLECULAR WEIGHT:** 414.57**CAS NUMBER:** 23828-92-4**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** Ambroxol is a sodium channel blocker and mucolytic agent with antioxidant, anti-viral and anti-inflammatory properties. Inhibits tetrodotoxin (TTX)-resistant channels more potently than TTX-sensitive subtypes (IC₅₀ values for tonic block are 35.2 and 111.5 μM respectively). More recently, it has been shown that Ambroxol induces a modest level neuron regrowth in mice with optic nerve lesions.**REFERENCES:** Chandra, V., *et al.* (2016). *Neuron* **89**, 956-970.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**