



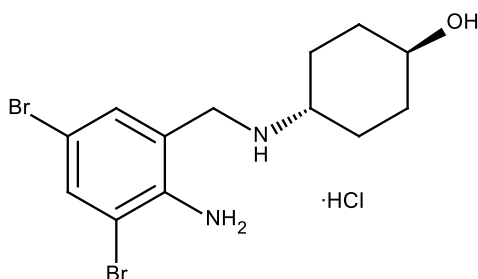
Catalog # 10-2296

Ambroxol HCl

CAS# 23828-92-4

trans-4-(2-Amino-3,5-dibromobenzylamino)cyclohexanol · HCl

Lot # X101701



Radical scavenger with anti-inflammatory activity. Blocks the generation of reactive oxygen species by bronchoalveolar lavage cells, Inhibits doxorubicin-induced lipid peroxidation (70 mg/kg in rat), and inhibits the release of inflammatory mediators from human leukocytes and mast cells (effective dose ~ 100 μ M)

- 1) Teramoto *et al.* (1999), *Effects of ambroxol on spontaneous or stimulated generation of reactive oxygen species by bronchoalveolar lavage cells harvested from patients with or without chronic obstructive pulmonary diseases*; Pharmacology, **59** 135
- 2) Nowak *et al.* (1995), *Ambroxol inhibits doxorubicin-induced lipid peroxidation in heart of mice*; Free Radic. Biol. Med., **19** 659
- 3) Gibbs *et al.* (1999), *Ambroxol inhibits the release of histamine, leukotrienes and cytokines from human leukocytes and mast cells.*; Inflamm. Res., **48** 86

PHYSICAL DATA

Molecular Weight:	414.57
Molecular Formula:	C ₁₃ H ₁₈ Br ₂ N ₂ O · HCl
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Water
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 3 months.

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