

## Product Data Sheet

Product Name: Ambroxol HCl

Cat. No.: GC15458

### Chemical Properties

Cas. No. 23828-92-4

Chemical Name 4-[(2-amino-3,5-dibromophenyl)methylamino]cyclohexan-1-ol;hydrochloride

SMILES C1CC(CCC1NCC2=CC(=CC(=C2N)Br)Br)O.Cl

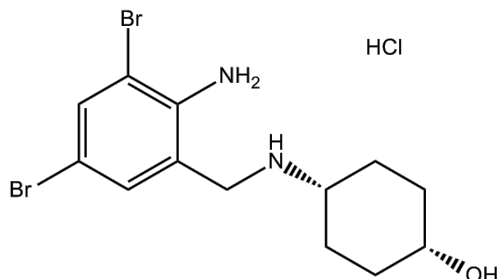
Formula  $C_{13}H_{18}Br_2N_2O \cdot HCl$  M.Wt 414.56

Solubility  $\geq 164.6\text{mg/mL}$  in DMSO Storage Store at  $-20^{\circ}\text{C}$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}\text{C}$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

AmbroxolHCl is a potent inhibitor of the neuronal  $\text{Na}^+$  channels, inhibits TTX-resistant  $\text{Na}^+$  currents with  $\text{IC}_{50}$  of  $35.2\text{ }\mu\text{M}$  and  $22.5\text{ }\mu\text{M}$  for tonic and phasic block, inhibits TTX-sensitive  $\text{Na}^+$  currents with  $\text{IC}_{50}$  of  $100\text{ }\mu\text{M}$ . Phase 3.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA