

Antazoline HCl, Antihistamine and neuroprotective

Catalog	Unit
TBI1144-500MG	500 mg
TBI1144-2G	2g

Product Details

Formal Name: 2-(N-Benzylanilinomethyl)-2-imidazoline hydrochloride

Molecular Formula: C₁₇H₁₉N₃·HCl

Formula Weight: 301.82

CAS Number: 2508-72-7

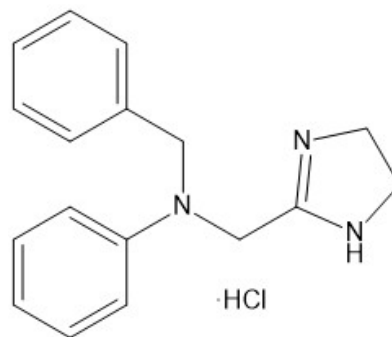
Purity: >98%

Formulation: Powder

Solubility: Soluble in Water (30 mg/ml)

Storage: RT

Stability: ≥ 2 years.



Applications

Antihistamine and neuroprotective

Functions

Antazoline displays neuroprotective effects against hypoxia-induced death in neuronal cultures, the mechanism of action being inhibition of NMDA currents (IC₅₀=4 μM). It induces concentration-dependent stimulation of insulin secretion in rat pancreas which is mediated via imidazoline I1 receptors. It also acts as a histamine H1 receptor antagonist (K_i=38.4 nM, human recombinant H1 receptor) and was found to be a highly effective antiarrhythmic agent.

Application Procedures

First dissolved in Water (30 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for up to 3 months.

For research use only.