

Product Data Sheet

Product Name: Betazole hydrochloride

Cat. No.: GC79289

Chemical Properties

Cas. No. 1121-45-5

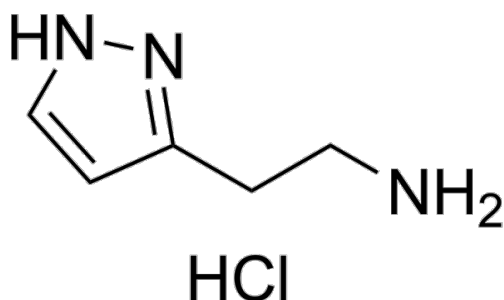
Formula $C_5H_{10}ClN_3$ M.Wt 147.61

Solubility DMSO: 50 mg/mL (338.73 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

Betazole hydrochloride (Ametazole hydrochloride), a pyrazole analogue of histamine, is an orally active histamine H₂ receptor agonist. Betazole induces gastric acid secretion and causes an immediate and significant increase in common bile duct pressure. Betazole is used as a diagnostic agent known as histalog for investigating gastric acid secretory capacity [1] [2] [3].

References:

[1]. Maples MD, Effects of betazole hydrochloride and cimetidine on common bile pressure and

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

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duodenal myoelectric activity in the dog. Am Surg. 1981;47(12):519-521.

[2]. Spitz IM, Betazole-induced GIP secretion is not mediated by gastric HCl. Metabolism. 1982;31(4):380-382.

[3]. CLAYMAN CB,. A simple oral gastric secretory stimulant (betazole hydrochloride). JAMA. 1961;175:908-909.

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