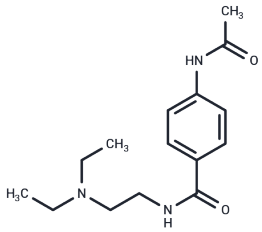
Data Sheet (Cat.No.T3575)

TargetMol

Acecainide hydrochloride

Chemical Properties



CAS No. : 34118-92-8

Formula: C15H24ClN3O2

Molecular Weight: 313.83

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Acecainide hydrochloride (NAPA) is the major hepatic metabolite of procainamide and its antiarrhythmic effects may lead to cardiotoxicity in renal failure.
Targets(IC50)	Others,Drug Metabolite,Potassium Channel

Solubility Information

Solubility	DMSO: 25 mg/mL (79.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1864 mL	15.9322 mL	31.8644 mL
5 mM	0.6373 mL	3.1864 mL	6.3729 mL
10 mM	0.3186 mL	1.5932 mL	3.1864 mL
50 mM	0.0637 mL	0.3186 mL	0.6373 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nakahara T, et al. Role of K+ channels in N-acetylprocainamide-induced relaxation of bovine tracheal smooth muscle. Eur J Pharmacol. 2001 Mar 9;415(1):73-8.

Balla A, et al. Effects of 1α,25-Dihydroxyvitamin D3 on the Pharmacokinetics of Procainamide and Its Metabolite N-Acetylprocainamide, Organic Cation Transporter Substrates, in Rats with PBPK Modeling Approach. Pharmaceutics. 2021 Jul 25;13(8):1133.

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