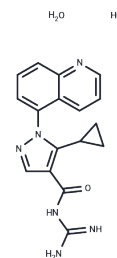


Zoniporide hydrochloride hydrate

Chemical Properties

CAS No. :	863406-85-3
Formula:	C ₁₇ H ₁₉ ClN ₆ O ₂
Molecular Weight:	374.83
Storage:	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	Zoniporide hydrochloride hydrate is a potent and selective sodium-hydrogen exchanger type 1 (NHE-1) inhibitor. Zoniporide hydrochloride hydrate inhibits human NHE-1 with IC ₅₀ of 14 nM.
Targets(IC ₅₀)	Others,Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6679 mL	13.3394 mL	26.6788 mL
5 mM	0.5336 mL	2.6679 mL	5.3358 mL
10 mM	0.2668 mL	1.3339 mL	2.6679 mL
50 mM	0.0534 mL	0.2668 mL	0.5336 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

Tracey WR, et al. Zoniporide: a potent and selective inhibitor of the human sodium-hydrogen exchanger isoform 1 (NHE-1). *Cardiovasc Drug Rev.* 2003 Spring;21(1):17-32.

Guzman-Perez A, et al. Discovery of zoniporide: a potent and selective sodium-hydrogen exchanger type 1 (NHE-1) inhibitor with high aqueous solubility. *Bioorg Med Chem Lett.* 2001 Mar 26;11(6):803-7.

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