

Product Data Sheet

Product Name: Zoniporide

Cat. No.: GC72779

Chemical Properties

Cas. No. 241800-98-6

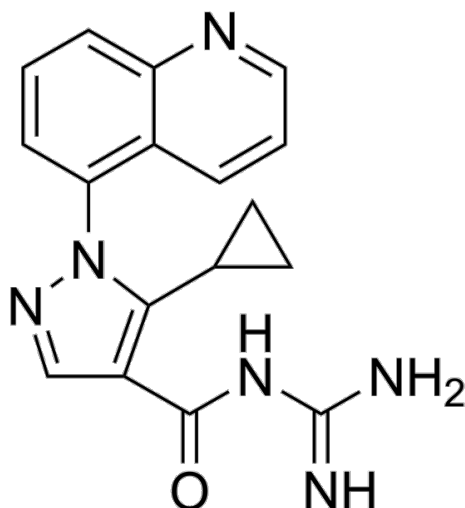
Formula $C_{17}H_{16}N_6O$ M.Wt 320.35

Solubility DMSO : 125 mg/mL (390.20 mM; Storage -20°C
Need ultrasonic)

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

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

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Zoniporide (CP-597396) is a potent and selective NHE-1 inhibitor with cardioprotective activity. Zoniporide inhibits 22Na^+ uptake by human NHE-1-expressing fibroblasts in a concentration-dependent manner ($\text{IC}_{50}=14\text{ nM}$). Zoniporide inhibits platelet swelling in vitro with an IC_{50} of $0.059\text{ }\mu\text{M}$. Zoniporide can be used in the study of cardiovascular disease.

References:

[1]. Marala, et al. Zoniporide: a potent and highly selective inhibitor of human Na^+/H^+ exchanger-1. European journal of pharmacology 451.1 (2002): 37-41.

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