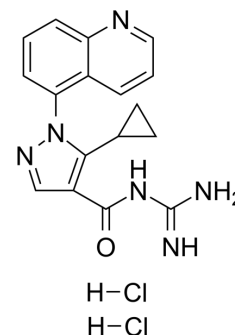


Zoniporide dihydrochloride

Cat. No.:	HY-105064C
CAS No.:	241799-10-0
Molecular Formula:	C ₁₇ H ₁₈ Cl ₂ N ₆ O
Molecular Weight:	393.27
Target:	Na ⁺ /H ⁺ Exchanger (NHE)
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Zoniporide dihydrochloride (CP-597396 dihydrochloride) is a potent and selective inhibitor of highly water-soluble sodium hydrogen exchange type 1 (NHE-1). Zoniporide dihydrochloride inhibits NHE1 dependent 22Na^+ uptake in vitro with an IC_{50} of 14 nM. Zoniporide has antitumor activity^{[1][2]}.

CUSTOMER VALIDATION

- J Biol Chem. 2021 Sep 3;101166.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Marala RB, et al. Zoniporide: a potent and highly selective inhibitor of human Na⁽⁺⁾/H⁽⁺⁾ exchanger-1. Eur J Pharmacol. 2002 Sep 6;451(1):37-41.

[2]. Sanhueza C, et al. Sodium/proton exchanger isoform 1 regulates intracellular pH and cell proliferation in human ovarian cancer. Biochim Biophys Acta Mol Basis Dis. 2017 Jan;1863(1):81-91.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA