

# EIPA hydrochloride

Catalog No: **tcsc0103821**



## Available Sizes

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

1345839-28-2

**Formula:**

$C_{11}H_{19}Cl_2N_7O$

**Pathway:**

Membrane Transporter/Ion Channel; Neuronal Signaling; Autophagy; Immunology/Inflammation; GPCR/G Protein

**Target:**

TRP Channel; Sodium Channel; Autophagy; COX; Prostaglandin Receptor

**Form:**

Light yellow to yellow (Solid)

**Purity / Grade:**

99.92%

**Storage Instruction:**

4°C, sealed storage, away from moisture In solvent : -80°C, for 6 months -20°C, for 1 month (sealed storage, away from moisture)

**Alternative Names:**

2-Pyrazinecarboxamide, 3-amino-N-(aminoiminomethyl)-6-chloro-5-[ethyl(1-methylethyl)amino]-, hydrochloride (1:1)

**Calculated Molecular Weight:**

336.22

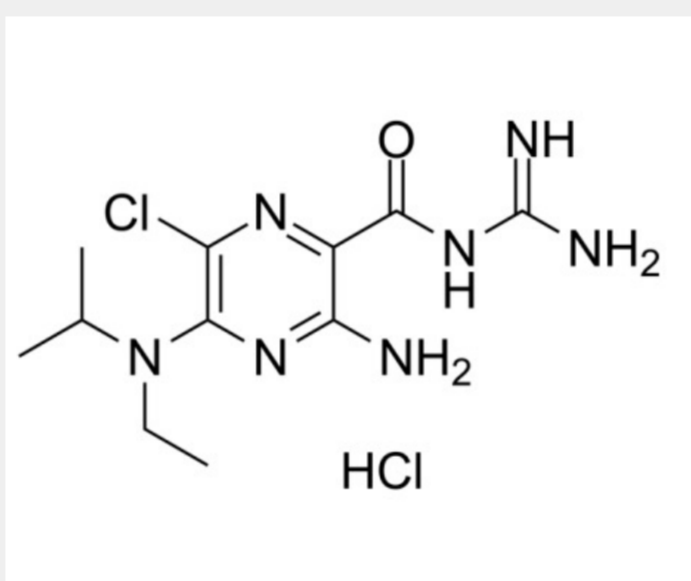
## References

[1]. Dai XQ, et al. Inhibition of TRPP3 channel by MK-870 and analogs. *Mol Pharmacol*. 2007 Dec;72(6):1576-85. [2]. Shi H, et al. Na<sup>+</sup>/H<sup>+</sup> Exchanger Regulates Amino Acid-Mediated Autophagy in Intestinal Epithelial Cells. *Cell Physiol Biochem*. 2017;42(6):2418-2429. [3]. Zhu BY, et al. A new HDAC inhibitor cinnamoylphenazine shows antitumor activity in association with intensive macropinocytosis

## Product Description

EIPA (L593754) hydrochloride is an orally active TRPP3 channel inhibitor with an IC<sub>50</sub> of 10.5 μM. EIPA hydrochloride also enhances autophagy by inhibiting Na<sup>+</sup>/H<sup>+</sup>-exchanger 3 (NHE3). EIPA hydrochloride inhibits macropinocytosis as well.

EIPAhydrochloride can be used in the research of inflammation and cancers, such as gastric cancer, colon carcinoma, pancreatic carcinoma[1][2][3][5].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!