Web: www.taiclone.com
Tel: +886-2-2735-9682
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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

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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+/H+ 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 IC50 of 10.5 μM. EIPA hydrochloride also

enhances autophagy by inhibiting Na+/H+-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, pancreaticcarcinoma[1][2][3][5].