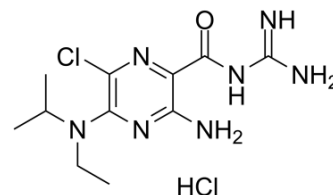


## EIPA hydrochloride

<b>Cat. No.:</b>	HY-101840A		
<b>CAS No.:</b>	1345839-28-2		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>19</sub> Cl <sub>2</sub> N <sub>7</sub> O		
<b>Molecular Weight:</b>	336.22		
<b>Target:</b>	TRP Channel; Sodium Channel		
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 130 mg/mL (386.65 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9742 mL	14.8712 mL	29.7424 mL
5 mM	0.5948 mL	2.9742 mL	5.9485 mL
10 mM	0.2974 mL	1.4871 mL	2.9742 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

EIPA hydrochloride (L593754 hydrochloride) is a TRPP3 channel inhibitor with an IC<sub>50</sub> of 10.5 μM. EIPA hydrochloride also inhibits Na<sup>+</sup>/H<sup>+</sup>-exchanger (NHE) and macropinocytosis<sup>[1][2][3]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 10.5 μM (TRPP3 channel)<sup>[1]</sup>  
 NHE<sup>[2]</sup>  
 Macropinocytosis<sup>[3]</sup>

### CUSTOMER VALIDATION

- ACS Nano. 2020 Nov 11.
- Sci Adv. 2020 Aug 12;6(33):eaaz1774.
- ACS Appl Mater Interfaces. 2020 Sep 17.

- Anal Chem. 2020 Jan 21;92(2):2103-2111.
- Sci China Mater. 2019 Nov.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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

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