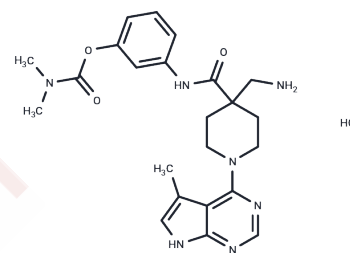


## LX7101 hydrochloride

## Chemical Properties

CAS No. :	2319882-48-7
Formula:	C <sub>23</sub> H <sub>29</sub> N <sub>7</sub> O <sub>3</sub> ·HCl
Molecular Weight:	488
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	LX7101 is a potent inhibitor of both LIM kinase (LIMK) 1 and 2, and Rho-associated kinase 1 (ROCK1) and ROCK2, with IC <sub>50</sub> values of 32, 4.3, 69, and 32 nM, respectively. It is selective, demonstrated by its lack of cross-reactivity in a panel of binding assays involving 78 receptors, transporters, and an additional 430 kinases, at a concentration of 10 μM. The topical administration of LX7101 (3 μl of a 1 mg/ml solution) to the eye has been shown to reduce intraocular pressure in a dexamethasone-induced mouse model of glaucoma.
Targets(IC <sub>50</sub> )	Others,LIM Kinase,PKA,ROCK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0492 mL	10.2459 mL	20.4918 mL
5 mM	0.4098 mL	2.0492 mL	4.0984 mL
10 mM	0.2049 mL	1.0246 mL	2.0492 mL
50 mM	0.041 mL	0.2049 mL	0.4098 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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