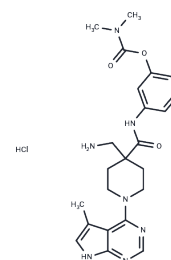


LX-7101 hydrochloride

Chemical Properties

CAS No. :	1374644-80-0
Formula:	C ₂₃ H ₂₉ N ₇ O ₃ xHCl
Molecular Weight:	487.99
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	LX-7101 hydrochloride is a potent LIMK and ROCK2 inhibitor with antihypertensive activity, inhibits LIMK1/2, ROCK, PKA, and can be used to study glaucoma.
Targets(IC50)	LIM Kinase,PKA,ROCK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0492 mL	10.2461 mL	20.4922 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.

Reference

Boland S, et al. Design, synthesis and biological characterization of selective LIMK inhibitors. Bioorg Med Chem Lett. 2015 Sep 15;25(18):4005-10.

Harrison BA, et al. Discovery and Development of LX7101, a Dual LIM-Kinase and ROCK Inhibitor for the Treatment of Glaucoma. ACS Med Chem Lett. 2014 Nov 24;6(1):84-8.

Sunamura N, et al. Loss of the fragile X mental retardation protein causes aberrant differentiation in human neural progenitor cells. Sci Rep. 2018 Aug 2;8(1):11585.

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