

## Product Data Sheet

Product Name: LX7101 (hydrochloride)

Cat. No.: GC44094

### Chemical Properties

Cas. No. 2319882-48-7

SMILES CC1=CNC2=NC=NC(N3CCC(C(NC4=CC=CC(OC(N(C)C)=O)=C4)=O)(CN)CC3)=C21.Cl

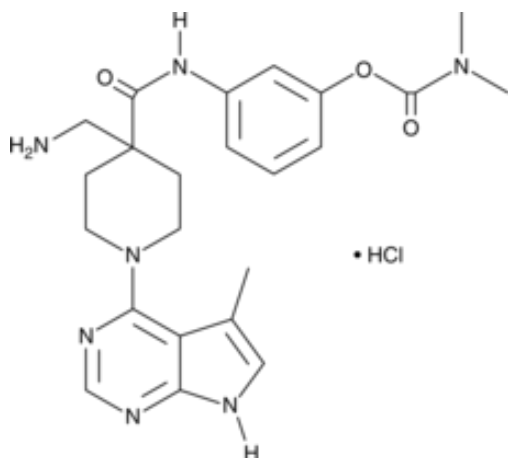
Formula C<sub>23</sub>H<sub>29</sub>N<sub>7</sub>O<sub>3</sub>•HCl M.Wt 488

Solubility DMF: 3 mg/ml, DMSO: 3 mg/ml, PBS (pH 7.2): 5 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

LX7101 is a potent inhibitor of LIM kinase (LIMK) 1 and 2 and Rho-associated kinase 1 (ROCK-1) and ROCK-2 with IC<sub>50</sub> values of 32, 4.3, 69, and 32 nM, respectively. It is selective, showing no cross reactivity in a panel of binding assays including 78 receptors and transporters and 430 additional kinases, at a concentration of 10 μM. Topical administration (3 μl of 1 mg/ml solution) of

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

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## Product Data Sheet

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LX7101 to the eye reduces intraocular pressure in a dexamethasone-induced mouse model of glaucoma.

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