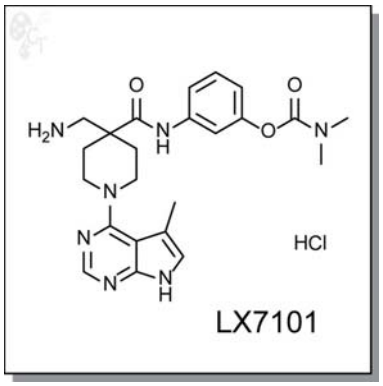
Product Specification Sheet

Product Name: LX7101

Catalog Number: C5971



Technical information:

Chemical Formula:	$C_{23}H_{30}ClN_7O_3$
CAS #:	1192189-69-7
Molecular Weight:	487.98
Purity:	> 98%
Appearance:	White solid
Solubility:	Soluble in DMSO up to 20 mM
Chemical Name:	3-(4-(aminomethyl)-1-(5-methyl-7H-pyrrolo[2,3-d]pyrimidin-4-yl)piperidine-4-carboxamido)phenyl dimethylcarbamate hydrochloride
Storage:	Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.
Shelf Life:	In the unopened package, powder is stable for 1 year and DMSO solution is stable for 6 months under proper storage condition.

Handling:

- To make 10 mM stock solution, add 0.205mL of DMSO for each mg of LX7101
- For DMSO solution, briefly spin the vial at 500 rpm in a 50 mL conical tube to ensure maximum sample recovery.

Biological Activity: LX7101 is a pyrrolopyrimidine-based, topically-delivered inhibitor of LIM domain kinase 2 (LIMK2), a kinase associated with the regulation of intraocular pressure. LX7101 acts by enhancing fluid outflow through the trabecular meshwork of the eye. Preclinical studies indicate that LX7101 significantly reduced intraocular pressure in both mouse and monkey models. [1] LX7101 recently completed a randomized, double-blind, placebo-controlled Phase 1/2a trial for patients with open angle glaucoma or ocular hypertension. [2]

Reference:

1. Lexicon Genetics webpage
2. www.clinicaltrials.gov webpage for LX7101 Phase 1/2a trials (completed 8/12)

To reorder: http://www.cellagentech.com/LX7101/

For Technical Support: technical@cellagentech.com

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