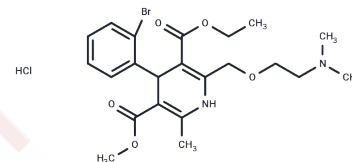


## UK-59811 hydrochloride

## Chemical Properties

CAS No. :	2250025-89-7
Formula:	C22H30BrClN2O5
Molecular Weight:	517.85
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	UK-59811 hydrochloride is a potent inhibitor of the Ca V Ab voltage-gated calcium channels in bacterial homotetrameric models. It is derived from Br-dihydropyridine, possessing significant inhibitory properties with an IC 50 of 194 nM.
Targets(IC50)	Others, Calcium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9311 mL	9.6553 mL	19.3106 mL
5 mM	0.3862 mL	1.9311 mL	3.8621 mL
10 mM	0.1931 mL	0.9655 mL	1.9311 mL
50 mM	0.0386 mL	0.1931 mL	0.3862 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

Lin Tang, et al. Structural basis for inhibition of a voltage-gated Ca<sup>2+</sup> channel by Ca<sup>2+</sup> antagonist drugs. Nature. 2016 Sep 1;537(7618):117-121.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481