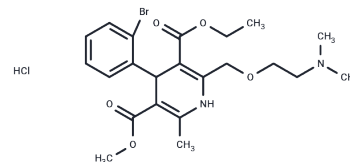


UK-59811 hydrochloride

Chemical Properties

CAS No. : 2250025-89-7
Formula: C₂₂H₃₀BrClN₂O₅
Molecular Weight: 517.85
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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 IC₅₀ of 194 nM.

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.

Reference

Lin Tang, et al. Structural basis for inhibition of a voltage-gated Ca²⁺ channel by Ca²⁺ antagonist drugs. Nature. 2016 Sep 1;537(7618):117-121.

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