

LUF7346

Chemical Properties

CAS No. :	1821638-40-7
Formula:	C ₂₀ H ₁₅ BrN ₂ O ₃
Molecular Weight:	411.25
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	LUF7346 is a potent negative allosteric modulator of Kv11.1 (hERG) channel with an IC ₅₀ of 35.6 ± 3.2 nM.
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	DMSO: 80 mg/mL (194.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4316 mL	12.1581 mL	24.3161 mL
5 mM	0.4863 mL	2.4316 mL	4.8632 mL
10 mM	0.2432 mL	1.2158 mL	2.4316 mL
50 mM	0.0486 mL	0.2432 mL	0.4863 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

van Veldhoven JPD, et al. Targeting the Kv11.1 (hERG) channel with allosteric modulators. Synthesis and biological evaluation of three novel series of LUF7346 derivatives. Eur J Med Chem. 2021 Feb 15;212:113033.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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