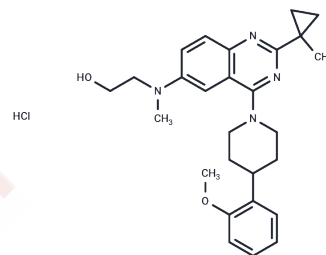


SBI-810 hydrochloride

Chemical Properties

CAS No. :	2772746-58-2
Formula:	C ₂₇ H ₃₅ ClN ₄ O ₂
Molecular Weight:	483.05
Storage:	Store at low temperature 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	SBI-810 hydrochloride is a β -arrestin-2 (β arr2)-biased allosteric modulator of NTSR1 (neurotensin receptor 1), exerting analgesic effects through peripheral and central mechanisms by inhibiting excitatory synaptic transmission, suppressing NMDA receptor and ERK signalling in spinal nociceptive neurons, and reducing Nav1.7 expression and action potential discharge in primary sensory neurons.
Targets(IC50)	ERK,Neurotensin Receptor,NMDAR,Sodium Channel

Solubility Information

Solubility	DMSO: 10 mg/mL (20.7 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	2.0702 mL	10.3509 mL	20.7018 mL
5 mM	0.414 mL	2.0702 mL	4.1404 mL
10 mM	0.207 mL	1.0351 mL	2.0702 mL
50 mM	0.0414 mL	0.207 mL	0.414 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

Lawrence Barak, et al. Compositions for and methods of treating and/or preventing pain. WO2022241186A1. 2022 November 17.

Center M N A, et al. Summer Undergraduate Research Expo[[]]. 2014.

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