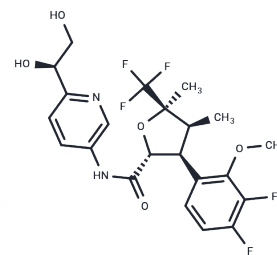


## Sodium Channel inhibitor 6

## Chemical Properties

CAS No. :	2877755-11-6
Formula:	C <sub>22</sub> H <sub>23</sub> F <sub>5</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	490.42
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	Sodium Channel inhibitor 6 (Compound I) is an effective sodium channel antagonist for neuropathic pain research.
Targets(IC50)	Sodium Channel

## Solubility Information

Solubility	DMSO: 200 mg/mL (407.81 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	2.0391 mL	10.1953 mL	20.3907 mL
5 mM	0.4078 mL	2.0391 mL	4.0781 mL
10 mM	0.2039 mL	1.0195 mL	2.0391 mL
50 mM	0.0408 mL	0.2039 mL	0.4078 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

Cristian Harrison, et al. Process for the synthesis of substituted tetrahydrofuran modulators of sodium channels. WO2024123815A1. 2023-12-06

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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