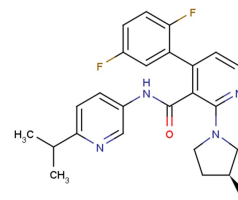


Nav1.1 activator 1

Chemical Properties

CAS No.:	2332897-85-3
Formula:	C ₂₄ H ₂₃ F ₃ N ₄ O
Molecular Weight:	440.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nav1.1 activator 1 is a highly potent activator of Nav1.1 with BBB penetration.
Targets(IC ₅₀)	Others: None
In vivo	Nav1.1 activator 1 (compound 4) is a promising Nav1.1 activator that can be used to analyze pathophysiological functions of the Nav1.1 channel towards treating various central nervous system diseases.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.27 mL	11.352 mL	22.704 mL
5 mM	0.454 mL	2.27 mL	4.541 mL
10 mM	0.227 mL	1.135 mL	2.27 mL
50 mM	0.045 mL	0.227 mL	0.454 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Miyazaki T, et al. Discovery of novel 4-phenyl-2-(pyrrolidinyl)nicotinamide derivatives as potent Nav1.1 activators. Bioorg Med Chem Lett. 2019 Mar 15;29(6):815-820.

Inhibitors · Natural Compounds · Compound Libraries

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