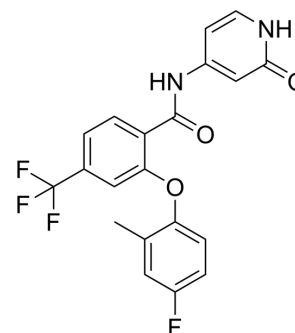


Nav1.8-IN-4

Cat. No.:	HY-155635		
CAS No.:	1620846-16-3		
Molecular Formula:	C ₂₀ H ₁₄ F ₄ N ₂ O ₃		
Molecular Weight:	406.33		
Target:	Sodium Channel		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (307.63 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4611 mL	12.3053 mL	24.6105 mL
5 mM	0.4922 mL	2.4611 mL	4.9221 mL
10 mM	0.2461 mL	1.2305 mL	2.4611 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Nav1.8-IN-4 (compound 9a) is a Nav1.8 channel inhibitor (IC₅₀=0.014 μM). Nav1.8-IN-4 can be used for research on pain-related diseases^[1].

IC₅₀ & Target

IC₅₀=0.014 μM (Nav1.8)^[1].

REFERENCES

[1]. Corey Anderson, et al. Prodrugs of pyridone amides useful as modulators of sodium channels. Patent WO2015089361A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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