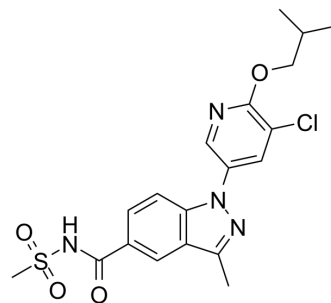


PF-05241328

Cat. No.:	HY-103623	
CAS No.:	1387633-03-5	
Molecular Formula:	C ₁₉ H ₂₁ ClN ₄ O ₄ S	
Molecular Weight:	436.91	
Target:	Sodium Channel	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (228.88 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2888 mL	11.4440 mL	22.8880 mL
	5 mM	0.4578 mL	2.2888 mL	4.5776 mL
	10 mM	0.2289 mL	1.1444 mL	2.2888 mL

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

BIOLOGICAL ACTIVITY

Description

PF-05241328 is a potent and selective inhibitor of human Nav1.7 voltage-dependent sodium channels (Nav1.7), with an IC₅₀ of 31 nM.

IC₅₀ & Target

IC₅₀: 31 nM (Nav1.7)^[1].

REFERENCES

[1]. Jones HM, et al. Clinical Micro-Dose Studies to Explore the Human Pharmacokinetics of Four Selective Inhibitors of Human Nav1.7 Voltage-Dependent Sodium Channels. Clin Pharmacokinet. 2016 Jul;55(7):875-887.

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

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