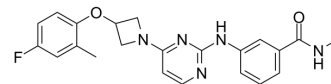


## Nav1.7-IN-2

Cat. No.:	HY-19366		
CAS No.:	1332295-35-8		
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> FN <sub>5</sub> O <sub>2</sub>		
Molecular Weight:	407.44		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (122.72 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	2.4543 mL	12.2717 mL	24.5435 mL	
		5 mM	0.4909 mL	2.4543 mL	4.9087 mL	
		10 mM	0.2454 mL	1.2272 mL	2.4543 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.14 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.14 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Nav1.7-IN-2 is an inhibitor of voltage-gated sodium channels (Nav), in particular Nav 1.7, with IC <sub>50</sub> of 80 nM. IC <sub>50</sub> value: 80 nM. Target: Nav 1.7. Nav1.7-IN-2 is useful for the treatment of diseases treatable by inhibition of these channels, in particular, chronic pain disorder. The more detailed information please refer to WO 2011103196 A1. Nav1.7-IN-2 is a Nav1.7 channel inhibitor extracted from patent WO/2011103196 A1, compound example J, has an IC <sub>50</sub> of 80 nM.
-------------	---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA