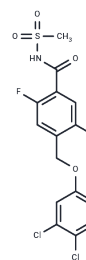


## Nav1.7 inhibitor

## Chemical Properties

CAS No. :	1355631-24-1
Formula:	C <sub>15</sub> H <sub>11</sub> Cl <sub>3</sub> FNO <sub>4</sub> S
Molecular Weight:	426.68
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Nav1.7 inhibitor is a Nav1.7 inhibitor for research in the field of pain and anesthesia.
Targets(IC50)	Sodium Channel

## Solubility Information

Solubility	DMSO: 80 mg/mL (187.49 mM), Sonication is recommended. H <sub>2</sub> O: < 0.1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.73 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3437 mL	11.7184 mL	23.4368 mL
5 mM	0.4687 mL	2.3437 mL	4.6874 mL
10 mM	0.2344 mL	1.1718 mL	2.3437 mL
50 mM	0.0469 mL	0.2344 mL	0.4687 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

Alan Daniel Brown, et al. Preparation of sulfonamide derivatives as Nav1.7 inhibitors. Patent WO2012007868A2.

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