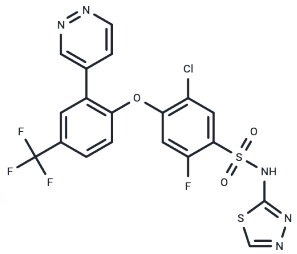
Data Sheet (Cat.No.T8711)

PF-05186462

Chemical Properties



CAS No. : 1235406-03-7

Formula: C19H10ClF4N5O3S2

Molecular Weight: 531.89

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	PF-05186462 (PF-05150122) is a potent, state-dependent, subtype selective Nav1.7 inhibitor with IC50 of 21 nM, no significant activity against Nav1.5.
Targets(IC50)	Sodium Channel

Solubility Information

Solubility	DMSO: 11 mg/mL (20.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.76 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8801 mL	9.4004 mL	18.8009 mL
5 mM	0.376 mL	1.8801 mL	3.7602 mL
10 mM	0.188 mL	0.940 mL	1.8801 mL
50 mM	0.0376 mL	0.188 mL	0.376 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

Hannah M Jones , Richard P Butt , Rob W Webster,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.

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