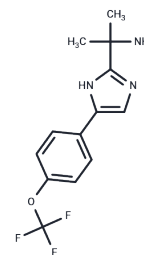


PF-04885614

Chemical Properties

CAS No. : 1480833-70-2
 Formula: C₁₃H₁₄F₃N₃O
 Molecular Weight: 285.27
 Storage: 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-04885614 is a potent inhibitor of NaV1.8, has potential for neurological and neurodevelopmental diseases treatment. |
| Targets(IC50) | Sodium Channel |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 240 mg/mL (841.31 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: 5 mg/mL (17.53 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 | 3.5055 mL | 17.5273 mL | 35.0545 mL |
| 5 mM | 0.7011 mL | 3.5055 mL | 7.0109 mL |
| 10 mM | 0.3505 mL | 1.7527 mL | 3.5055 mL |
| 50 mM | 0.0701 mL | 0.3505 mL | 0.7011 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

Brady MAHER, et al. Treatment of Neurological and Neurodevelopmental Diseases and Disorders Associated with Aberrant Ion Channel Expression and Activity. US20180328915A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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