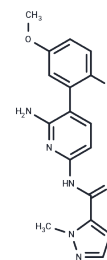


PF 04531083

Chemical Properties

CAS No. : 1079400-07-9
 Formula: C₁₇H₁₆ClN₅O₂
 Molecular Weight: 357.79
 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 04531083 is a selective blocker of the NaV1.8 channel. PF 04531083 can be used for neuropathic and inflammatory pain studies. |
| Targets(IC50) | Sodium Channel |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 120 mg/mL (335.39 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: 4 mg/mL (11.18 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 | 2.7949 mL | 13.9747 mL | 27.9494 mL |
| 5 mM | 0.559 mL | 2.7949 mL | 5.5899 mL |
| 10 mM | 0.2795 mL | 1.3975 mL | 2.7949 mL |
| 50 mM | 0.0559 mL | 0.2795 mL | 0.559 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

Bagal SK, et al. Recent progress in sodium channel modulators for pain. Bioorg Med Chem Lett. 2014 Aug 15;24 (16):3690-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481