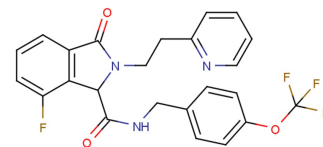


Sodium Channel inhibitor 1

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 1198117-23-5 |
| Formula: | C ₂₄ H ₁₉ F ₄ N ₃ O ₃ |
| Molecular Weight: | 473.42 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|---|
| Description | Sodium Channel inhibitor1 is a novel and selective voltage-gated sodium channel for pain treatment. (IC ₅₀ Value of 0.16 μ M and 0.41 μ M for Na v1.7, V hold-90mV and Na v1.7, V hold-90mV) |
| Targets(IC ₅₀) | Others: None |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.112 mL | 10.561 mL | 21.123 mL |
| 5 mM | 0.422 mL | 2.112 mL | 4.225 mL |
| 10 mM | 0.211 mL | 1.056 mL | 2.112 mL |
| 50 mM | 0.042 mL | 0.211 mL | 0.422 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Macsari I, et al. 3-Oxoisoindoline-1-carboxamides: potent, state-dependent blockers of voltage-gated sodium channel Na(V)1.7 with efficacy in rat pain models. J Med Chem. 2012 Aug 9;55(15):6866-80.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481