

Suzetrigine

Chemical Properties

CAS No. : 2649467-58-1

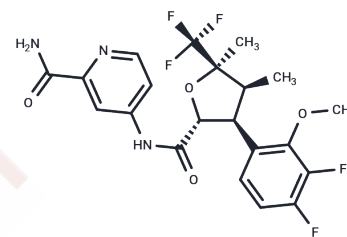
Formula: C₂₁H₂₀F₅N₃O₄

Molecular Weight: 473.39

Storage: Store at low temperature, Keep away from direct sunlight

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 | Suzetrigine(VX-548) is an orally active and specific NaV1.8 inhibitor. Suzetrigine has analgesic activity and can be used to study acute pain and neurotransmission. |
| Targets(IC50) | Sodium Channel |
| In vivo | As compared with placebo, Suzetrigine at the highest dose (a 100-mg oral loading dose of Suzetrigine, followed by a 50-mg maintenance dose every 12 hours), but not at lower doses (a 20-mg loading dose, followed by a 10-mg maintenance dose every 12 hours), reduced acute pain over a period of 48 hours after abdominoplasty or bunionectomy.[1] |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 161 mg/mL (340.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1124 mL | 10.5621 mL | 21.1242 mL |
| 5 mM | 0.4225 mL | 2.1124 mL | 4.2248 mL |
| 10 mM | 0.2112 mL | 1.0562 mL | 2.1124 mL |
| 50 mM | 0.0422 mL | 0.2112 mL | 0.4225 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

Jones J, et al. VX21-548-101 and VX21-548-102 Trial Groups. Selective Inhibition of NaV1.8 with VX-548 for Acute Pain. N Engl J Med. 2023 Aug 3;389(5):393-405.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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