

ASP1126

Chemical Properties

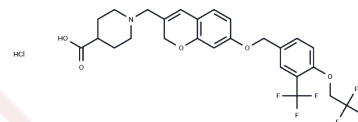
CAS No. : 1228580-11-7

Formula: C₂₆H₂₆ClF₆NO₅

Molecular Weight: 581.93

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 | ASP1126 is a selective and orally active sphingosine-1-phosphate (S1P) agonist with EC ₅₀ values of 7.12 nM and 517 nM for hS1P1 and hS1P3, respectively. |
| Targets(IC ₅₀) | Others, LPL Receptor |
| In vitro | ASP1126 decreases the number of peripheral lymphocytes, naive T cells, central memory T cells, and effector memory T cells in the peripheral blood. |
| In vivo | ASP1126 (1 and 5 mg/kg, orally once daily for 14 days) significantly prolongs allograft survival. Combined with 0.02 mg/kg tacrolimus, ASP1126 notably enhances graft survival time. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.7184 mL | 8.5921 mL | 17.1842 mL |
| 5 mM | 0.3437 mL | 1.7184 mL | 3.4368 mL |
| 10 mM | 0.1718 mL | 0.8592 mL | 1.7184 mL |
| 50 mM | 0.0344 mL | 0.1718 mL | 0.3437 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

Okimoto A, et al. ASP1126, a Novel Sphingosine-1-Phosphate-Selective Agonist With a Favorable Safety Profile, Prolongs Allograft Survival in Rats and Nonhuman Primates in Combination With Tacrolimus With a Broad Safety Margin for Bradycardia. *Transplant Proc.* 2019 Jul - Aug;51(6):2081-2098.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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