## ASP1126

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Cat. No.: CAS No.: Molecular Formula: Molecular Weight: Target: Pathway: Storage:	HY-125881 1228580-11-7 C <sub>26</sub> H <sub>26</sub> ClF <sub>6</sub> NO <sub>5</sub> 581.93 LPL Receptor GPCR/G Protein Please store the product under the recommended conditions in the Certificate of Analysis.	F F F F F F F F F F F F F F F F C T O H H CI
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BIOLOGICAL ACTIVITY			
Description	ASP1126 is a selective and orally active sphingosine-1-phosphate (S1P) agonist, with EC <sub>50</sub> values of 7.12 nM, 517 nM for hS1P <sub>1</sub> and hS1P <sub>3</sub> , respectively. ASP1126 decreases the number of peripheral lymphocytes, naive T cells, central memory T cells and effector memory T cells in the peripheral blood. ASP1126 has the potential to be applied in clinical transplantation with improved safety profile <sup>[1]</sup> .		
IC <sub>50</sub> & Target	EC50: 7.12 nM (hS1P <sub>1</sub> ), 517 nM (hS1P <sub>3</sub> ) <sup>[1]</sup> .		
In Vivo	ASP1126 in combination	g, orally once daily for 14 days) significantly prolongs allograft survival <sup>[1]</sup> . n with 0.02 mg/kg tacrolimus notably improves graft survival time <sup>[1]</sup> . ntly confirmed the accuracy of these methods. They are for reference only. ACI and Lewis rats aged 6 weeks were used as cardiac donors and recipients, respectively [1]. 0.2 mg/kg, 1 mg/kg, 5 mg/kg. Orally once daily for 14 days. Significantly prolonged allograft survival (median survival time [MST] =9; 8 days at 1 and 5 mg/kg, respectively, compared with 6 days in the vehicle group).	

## REFERENCES

[1]. 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.

## Caution: Product has not been fully validated for medical applications. For research use only.

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