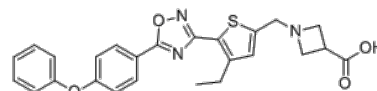


Product Name : CS-2100
Cat. No. : PC-38575
CAS No. : 913827-99-3
Molecular Formula : C₂₅H₂₃N₃O₄S
Molecular Weight : 461.536
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

CS-2100 is a potent, selective, orally active **S1P1** agonist with EC₅₀ of 4.0 nM, over 5000-fold selectivity against S1P3. CS-2100 demonstrates in vivo immunosuppressive efficacy in rats on host versus graft reaction with ID₅₀ value of 0.407mg/kg.

CS-2100 (0.1 and 1 mg/kg, oral) decreased significantly lymphocyte counts in rats.

CS-2100 is efficacious in the adjuvant-induced arthritis model in rats (ID₅₀=0.44 mg/kg).

CS-2100 (0.1 and 1 mg/kg) significant decreases in the cumulative EAE scores in the EAE model.

References

Nakamura T, et al. Bioorg Med Chem Lett. 2012 Feb 15;22(4):1788-92.

Nakamura T, et al. Eur J Med Chem. 2012 May;51:92-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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