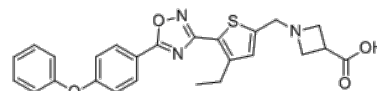


**Product Name** : CS-2100  
**Cat. No.** : PC-38575  
**CAS No.** : 913827-99-3  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 461.536  
**Target** : Lysophospholipid Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

CS-2100 is a potent, selective, orally active S1P1 agonist with EC<sub>50</sub> 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 ID<sub>50</sub> 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 (ID<sub>50</sub>=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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