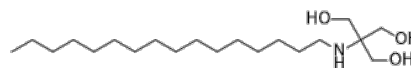


**Product Name** : AD2900 hydrochloride  
**Cat. No.** : PC-23816  
**CAS No.** : 2678593-16-1  
**Molecular Formula** : C<sub>20</sub>H<sub>44</sub>ClNO<sub>3</sub>  
**Molecular Weight** : 382.03  
**Target** : Lysophospholipid Receptor  
**Solubility** : 10 mM in DMSO



H-Cl

CAS: 2678593-16-1

## Biological Activity

AD2900 hydrochloride is a novel potent, broad S1P receptor antagonist with IC<sub>50</sub> of 3.8, 3.2, 6.2, 5.9 and 0.405 μM for S1P<sub>1</sub>, 2, 3, 4 and 5 respectively.

AD 2900 shows no significant agonism effects (EC<sub>50</sub>>50 μM); suppresses PBMC proliferation, regulates the expression of S1P<sub>1</sub> and CCR7 on PBMCs.

AD 2900 accumulates T cells in the blood and spleen and in turn reduces T-cell number in the lymph nodes.

AD 2900 shows significant effects on the localization of T-cell subpopulations in mice.

## References

Song J, et al. Oncotarget. 2017 Jun 27;8(32):53563-53580.

Dagan A, et al. Biochim Biophys Acta. 2003 Sep 22;1633(3):161-9.

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

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