

Product Name : AD2900
Cat. No. : PC-60340
CAS No. : 18360-29-7
Molecular Formula : C₂₀H₄₃NO₃
Molecular Weight : 345.568
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

AD 2900 (AD2900, AD-2900) is a novel potent, broad **S1P receptor** antagonist with IC₅₀ of 3.8, 3.2, 6.2, 5.9 and 0.405 μM for S1P₁, 2, 3, 4 and 5 respectively.

AD 2900 shows no significant agonism effects (EC₅₀>50 μM); suppresses PBMC proliferation, regulates the expression of S1P₁ 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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