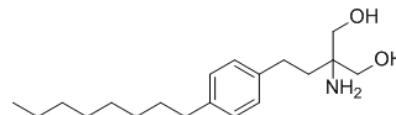


**Product Name** : Fingolimod  
**Cat. No.** : PC-42800  
**CAS No.** : 162359-55-9  
**Molecular Formula** : C<sub>19</sub>H<sub>33</sub>NO<sub>2</sub>  
**Molecular Weight** : 307.4708  
**Target** : Lysophospholipid Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

Fingolimod (FTY720) is an immunomodulatory agent can be phosphorylated by SphK, then functions as a potent agonist of **S1P receptors** (S1P1/3/4/5) with EC<sub>50</sub> of 0.3-5 nM.

Fingolimod (FTY720) has no affinity for S1P2; alters lymphocyte trafficking and inhibits lymphocyte recirculation.

### References

- Mandala S, et al. *Science*. 2002 Apr 12;296(5566):346-9.  
Suzuki S, et al. *Transplantation*. 1996 Jan 27;61(2):200-5.  
Billich A, et al. *J Biol Chem*. 2003 Nov 28;278(48):47408-15.  
Forrest M, et al. *J Pharmacol Exp Ther*. 2004 May;309(2):758-68.

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

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