



Product Information

Fingolimod

Cat. No.: X23-12-YM1110

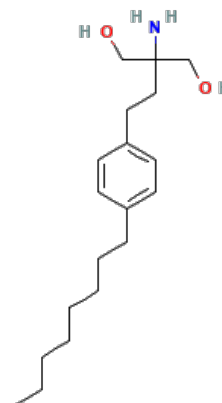
Size: 5 mg; 10 mg; 20 mg; 50 mg

CAS Number: 162359-55-9

Compound CID: 107970

Synonym: 162359-55-9; 2-Amino-2-(4-octylphenethyl)propane-1,3-diol

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Fingolimod, soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets PAK1, and S1P.
Molecular Weight	307.48
Molecular Formula	C ₁₉ H ₃₃ NO ₂
Targets	PAK1; S1P: 0.033 nM (IC ₅₀ , in K562 and NK cells)
IUPAC Name	2-Amino-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol
InChI	InChI=1S/C19H33NO2/c1-2-3-4-5-6-7-8-17-9-11-18(12-10-17)13-14-19(20,15-21)16-22/h9-12,21-22 H,2-8,13-16,20H2,1H3
InChI Key	KKGQTZUTZRNORY-UHFFFAOYSA-N
Canonical SMILES	CCCCCCCCC1=CC=C(C=C1)CCC(CO)(CO)N
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 12 mg/mL (39.03 mM); Water: insoluble; Ethanol: 5 mg/mL (16.26 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Fingolimod can be used for its ability to reduce the frequency of relapses, slow down the progression of disability, and decrease the number of brain lesions detected on MRI scans.
Storage	Store at -20°C, and keep desiccated.