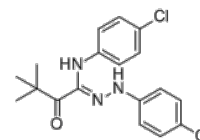


Product Name : TY-52156
Cat. No. : PC-21209
CAS No. : 934369-14-9
Molecular Formula : C₁₈H₁₉Cl₂N₃O
Molecular Weight : 364.27
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

TY-52156 is a potent, selective **S1P3 receptor** antagonist with K_i of 110 nM.

TY-52156 preferentially inhibited the S1P-induced increase in [Ca²⁺]_i in S1P3-CHO rather than S1P1-, S1P2-CHO, and S1P4-Chem.

TY-52156 inhibited both the S1P-induced increase in [Ca(2+)]_i and Rho activation in human coronary artery smooth muscle cells.

TY-52156 inhibited FTY-720-induced S1P(3) receptor-mediated bradycardia in vivo.

References

Murakami A, et al. *Mol Pharmacol*. 2010 Apr;77(4):704-13.

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

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