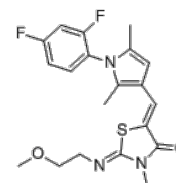


Product Name : ML248
Cat. No. : PC-73203
CAS No. : 1345858-76-5
Molecular Formula : C₂₀H₂₁F₂N₃O₂S
Molecular Weight : 405.46
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

ML248 (CYM50308) is a potent and selective **S1P4** receptor agonist with EC₅₀ of 37.7 nM-79.1 nM.

ML248 (CYM50308) is inactive as an agonist against other members of the receptor family, with EC₅₀s >25 μM against S1P1, S1P2, and S1P3 receptors, and an EC₅₀ of 2.1 μM against the S1P5 receptor.

ML248 (CYM50308) is inhibited by an S1P4 receptor-selective antagonist, inactive for agonism in the presence of >3.7 nM selective antagonist and is nontoxic to U2OS cells.

ML248 (CYM50308) increased expression of the chemokine receptor CXCR4 in compound treated CD8+ T lymphocytes.

References

Miguel Guerrero, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

Tobias Burkard, et al. Front Immunol. 2021 Aug 24;12:668884.

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

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