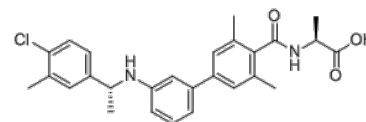


Product Name : NIBR-0213
Cat. No. : PC-61179
CAS No. : 1233332-14-3
Molecular Formula : C₂₇H₂₉ClN₂O₃
Molecular Weight : 464.98
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

NIBR-0213 is a potent, selective, orally active **S1P1** antagonist with IC₅₀ of 2.5 nM Ca²⁺ mobilization assays, without activity on S1P2, S1P3 and S1P4 (IC₅₀>10 μM).

NIBR-0213 displays potent and comparable potency on human and rat S1P1 with IC₅₀ of 2.0 and 2.3 nM in GTPγ35S assays, 3,000-fold selectivity against human S1P5.

NIBR-0213 inhibits FTY720-phosphate-induced S1P1 internalization at 1 μM, induces long-lasting reduction of peripheral blood lymphocyte counts, shows comparable therapeutic efficacy to Fingolimod in experimental autoimmune encephalomyelitis (EAE).

References

Quancard J, et al. *Chem Biol.* 2012 Sep 21;19(9):1142-51.

Bigaud M, et al. *PLoS One.* 2016 Dec 22;11(12):e0168252.

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

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