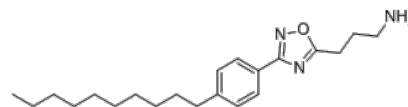


Product Name : SLF1081851
Cat. No. : PC-38763
CAS No. : 2763730-97-6
Molecular Formula : C₂₁H₃₃N₃O
Molecular Weight : 343.515
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

SLF1081851 is a potent, in vivo-active inhibitor of S1P transporter spinster homologue 2 (**Spns2**), inhibits S1P release with IC₅₀ of 1.93 uM in HeLa cells.

Administration of SLF1081851 to mice and rats drove significant decreases in circulating lymphocyte counts and plasma S1P concentrations, recapitulating the phenotype observed in mice made deficient in Spns2.

SLF1081851 shows the potential for development and use as a probe to investigate Spns2 biology and to determine the potential of Spns2 as a drug target.

References

Russell Fritzemeier, et al. *J Med Chem*. 2022 Jun 9;65(11):7656-7681.

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

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