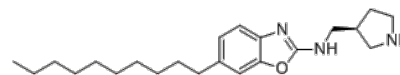


Product Name : SLB1122168
Cat. No. : PC-20418
CAS No. : 2764877-95-2
Molecular Formula : C₂₂H₃₅N₃O
Molecular Weight : 357.54
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

SLB1122168 is a potent, specific inhibitor of **S1P transporter spinster homologue 2 (Spns2)**, inhibits Spns2-mediated S1P release with IC₅₀ of 94 nM.

SLB1122168 displays no activity against Mfsd2b, does not inhibit S1P release from mouse red blood cell at 10 uM.

SLB1122168 (10 and 30 mg/kg, i.p.) significantly and dose-dependently decreased the circulating lymphocytes, a pharmacodynamic indication of Spns2 inhibition, in mice and rats.

References

Burgio AL, et al. *J Med Chem.* 2023 Apr 3. doi: 10.1021/acs.jmedchem.3c00149.

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

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