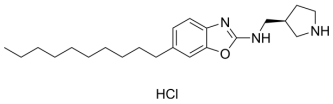
SLB1122168

Cat. No.:	HY-150254
Molecular Formula:	$C_{22}H_{36}ClN_3O$
Molecular Weight:	393.99
Target:	LPL Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SLB1122168 is a potent Spns2-mediated S1P release inhibitor with an IC_{50} of 94 nM[1].
In Vivo	SLB1122168 (33p; 10 mg/kg; i.p.; once) results in a dose-dependent decrease in circulating lymphocytes[1]. In rats, at 10 mg/kg, SLB1122168 (33p) achieves a maximum concentration of 4 μM at 2 h post-dose with levels at ≥1 μM for 24 h and a half-life of 8 h[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Age-matched female mice (C57BL/6j strain) [1]
Dosage:	10 mg/kg
Administration:	i.p.; once
Result:	Resulted in a dose-dependent decrease in circulating lymphocytes.

REFERENCES

[1]. Ariel L Burgio, et al. 2-Aminobenzoxazole Derivatives as Potent Inhibitors of the Sphingosine-1-Phosphate Transporter Spinster Homolog 2 (Spns2). J Med Chem. 2023 Apr 27;66(8):5873-5891.

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