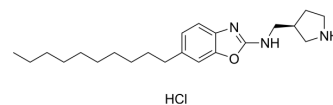


## SLB1122168

Cat. No.:	HY-150254
CAS No.:	2999629-17-1
Molecular Formula:	C <sub>22</sub> H <sub>36</sub> ClN <sub>3</sub> O
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 <sub>50</sub> of 94 nM <sup>[1]</sup> .								
In Vivo	<p>SLB1122168 (33p; 10 mg/kg; i.p.; once) results in a dose-dependent decrease in circulating lymphocytes<sup>[1]</sup>. 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<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>Age-matched female mice (C57BL/6j strain) <sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>10 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p.; once</td> </tr> <tr> <td>Result:</td> <td>Resulted in a dose-dependent decrease in circulating lymphocytes.</td> </tr> </table>	Animal Model:	Age-matched female mice (C57BL/6j strain) <sup>[1]</sup>	Dosage:	10 mg/kg	Administration:	i.p.; once	Result:	Resulted in a dose-dependent decrease in circulating lymphocytes.
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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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA