# SLB1122168 formic

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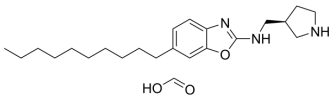
|---|---|
| **Cat. No.:** | HY-150254A |
| **Molecular Formula:** | $C_{23}H_{37}N_3O_3$ |
| **Molecular Weight:** | 403.56 |
| **Target:** | LPL Receptor |
| **Pathway:** | GPCR/G Protein |

**Storage:**

| | | |
|---|---|---|
| Pure form | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |




## SOLVENT & SOLUBILITY

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.19 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.19 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.19 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description**

SLB1122168 formic 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.

## 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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