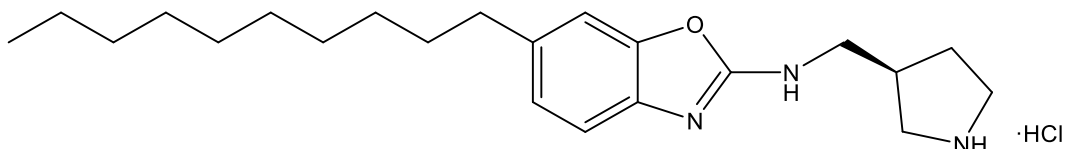


Catalog # 10-4396

SLB1122168

(S)-6-Decyl-N-(pyrrolidine-3-ylmethyl)benzo[d]oxazol-2-amine hydrochloride

Lot # FBA9002



SLB1122168 is a potent ($IC_{50} = 94$ nM) second generation sphingosine-1-phosphate transporter Spinster Homolog 2 (Spns2) inhibitor. *In vivo*, it significantly reduced circulating lymphocyte counts but did not reduce plasma sphingosine-1-phosphate levels as with the first generation inhibitor SLF1081851 (Focus Cat# 10-4395). Spns2 inhibitors represent potential alternative immunomodulatory agents to S1P receptor agonists as they are able induce lymphopenia without drastic changes to systemic S1P levels or stimulating the S1P1-5 signaling pathway.

- 1) Burgio *et al.* (2023) *2-Aminobenzoxazole Derivatives as Potent Inhibitors of the Sphingosine-1-Phosphate Transporter Spinster Homolog 2 (Spns2)*, J. Med. Chem., **66** 5873

PHYSICAL DATA

Molecular Weight:	394.00
Molecular Formula:	$C_{22}H_{35}N_3O \cdot HCl$
Purity:	>98% (HPLC) NMR (Conforms)
Solubility:	DMSO (40 mg/mL); Water (10 mg/ml with warming)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at $-20^{\circ}C$ for up to one year from the date of purchase. Solutions in DMSO or water may be stored at $-20^{\circ}C$ for up to 2 months

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