



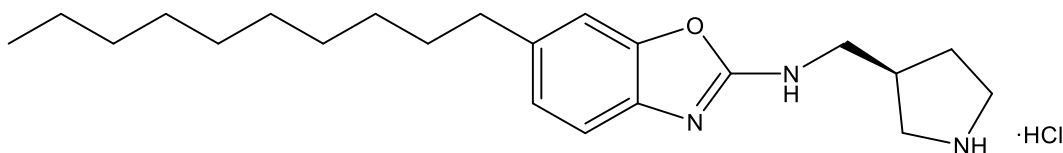
Catalog # 10-4396

SLB1122168

CAS 2999629-17-1

(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

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications. Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com