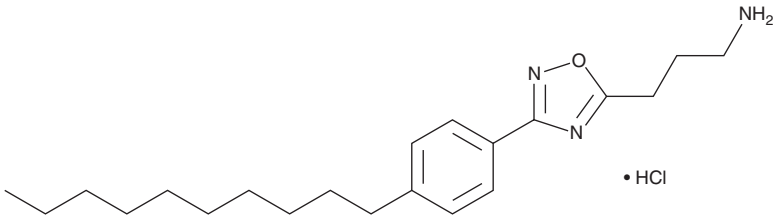
PRODUCT INFORMATION

SLF1081851 (hydrochloride)

Item No. 37150

Formal Name:	3-(4-decylphenyl)-1,2,4-oxadiazole-5-propanamine, hydrochloride
MF:	$C_{21}H_{33}N_3O$ • HCl
FW:	380.0
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

SLF1081851 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the SLF1081851 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. SLF1081851 (hydrochloride) is slightly soluble in acetonitrile.

SLF1081851 (hydrochloride) is slightly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

SLF1081851 is an inhibitor of sphingosine-1-phosphate (S1P) transporter (SPNS2).[1] It inhibits mouse Spns2 by 67% when used at a concentration of 2 µM. SLF1081851 inhibits S1P export from HeLa cells expressing mouse Spns2 (IC_{50} = 1.93 µM). *In vivo*, SLF1081851 (20 mg/kg) decreases blood lymphocyte numbers and plasma S1P levels in mice.

Reference

1. Fritzemeier, R., Foster, D., Peralta, A., *et al.* Discovery of in vivo active sphingosine-1-phosphate transporter (Spns2) inhibitors. *J. Med. Chem.* **65(11)**, 7656-7681 (2022).

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