

Catalog	Unit
TBI4395-5MG	5 mg
TBI4395-25MG	25 mg

Product Details

Formal Name: 3-(3-(4-Decylphenyl)-1,2,4-oxadiazol-5-yl)propan-1-amine hydrochloride

Molecular Formula: C₂₁H₃₃N₃O·HCl

Formula Weight: 379.8

CAS Number: 2763730-97-6 (free base)

Purity: >98%

Formulation: Powder

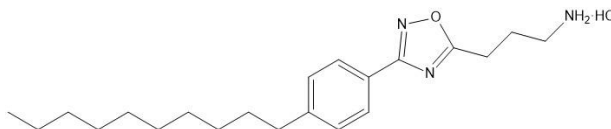
Solubility: Soluble in DMSO (up to at least 30 mg/ml) or in Ethanol (up to at least 7 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.

Applications

Sphingosine-1-phosphate transporter inhibitor



Functions

Sphingosine-1-phosphate transporter (Spns2) inhibitor. It inhibited sphingosine-1-phosphate (S1P) release in HeLa cells: IC₅₀ = 1.93 μM. SLF1081851 is active in vivo and decreased lymphocyte counts and plasma S1P levels in mice and rats. Spns2 inhibitors represent potential alternative immunomodulatory agents to S1P receptor agonists as they are able to induce lymphopenia without drastic changes to systemic S1P levels or stimulating the S1P1-5 signaling pathway.

Application Procedures

First dissolved in DMSO (30 mg/ml) or in Ethanol (7 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.