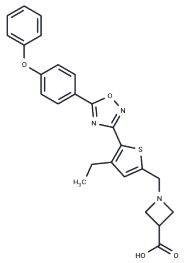
Data Sheet (Cat.No.T22697)

TargetMol

CS 2100

Chemical Properties



CAS No. : 913827-99-3

Formula: C25H23N3O4S

Molecular Weight: 461.53

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	CS 2100 (1-[[4-Ethyl-5-[5-(4-phenoxyphenyl)-1,2,4-oxadiazol-3-yl]-2-thienyl]methyl]-3-azetidinecarboxylic acid) is an S1P1 agonist.
Targets(IC50)	LPL Receptor,S1P Receptor

Solubility Information

Solubility	DMSO: 12 mg/mL (26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.17 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1667 mL	10.8335 mL	21.6671 mL
5 mM	0.4333 mL	2.1667 mL	4.3334 mL
10 mM	0.2167 mL	1.0834 mL	2.1667 mL
50 mM	0.0433 mL	0.2167 mL	0.4333 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nakamura T, Asano M, Sekiguchi Y, et al.Synthesis and evaluation of CS-2100, a potent, orally active and S1P(3)-sparing S1P(1) agonist. Eur J Med Chem. 2012 May;51:92-8.

Nakamura T, Asano M, et al. Discovery of CS-2100, a potent, orally active and S1P3-sparing S1P1 agonist. Bioorg Med Chem Lett. 2012 Feb 15;22(4):1788-92.

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