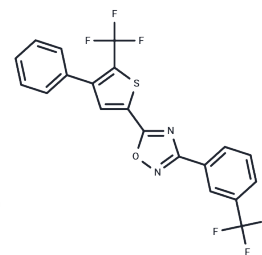


SEW2871

Chemical Properties

CAS No. : 256414-75-2
 Formula: C₂₀H₁₀F₆N₂O₅
 Molecular Weight: 440.36
 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	SEW 2871 is an orally available, highly selective S1P1 agonist with an EC ₅₀ of 13.8 nM. It reduces the number of lymphocytes in the blood and is used in studies related to diabetes, Alzheimer's disease, liver fibrosis, and inflammation. It activates ERK, Akt and Rac signaling pathways and induces S1P1 internalization and recycling.
Targets(IC50)	ERK,Akt,LPL Receptor,S1P Receptor

Solubility Information

Solubility	DMSO: 8.8 mg/mL (19.98 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 (2.27 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2709 mL	11.3543 mL	22.7087 mL
5 mM	0.4542 mL	2.2709 mL	4.5417 mL
10 mM	0.2271 mL	1.1354 mL	2.2709 mL
50 mM	0.0454 mL	0.2271 mL	0.4542 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

Ni Q, et al. Int Immunopharmacol. 2015 May;26(1):37-42.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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