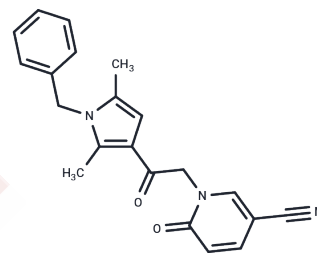


CYM-5520

## Chemical Properties

CAS No. : 1449747-00-5  
 Formula: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 345.39  
 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	CYM-5520 is a noncompetitive allosteric agonist of S1P2
Targets(IC50)	LPL Receptor,S1P Receptor

## Solubility Information

Solubility	DMSO: 45 mg/mL (130.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.79 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	2.8953 mL	14.4764 mL	28.9528 mL
5 mM	0.5791 mL	2.8953 mL	5.7906 mL
10 mM	0.2895 mL	1.4476 mL	2.8953 mL
50 mM	0.0579 mL	0.2895 mL	0.5791 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

Satsu H , Schaeffer M T , Guerrero M , et al. A sphingosine 1-phosphate receptor 2 selective allosteric agonist[]].  
Bioorganic & Medicinal Chemistry, 2013, 21( 17):5373-5382.

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