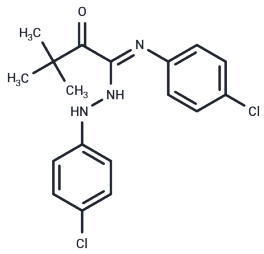
Data Sheet (Cat.No.T17183)

TargetMol

TY-52156

Chemical Properties



CAS No. : 934369-14-9

Formula: C18H19Cl2N3O

Molecular Weight: 364.27

Storage: Keep away from direct sunlight
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	TY-52156 is an effective and selective S1P3 receptor antagonist (Ki: 110 nM).
Targets(IC50)	LPL Receptor,S1P Receptor

Solubility Information

Solubility	DMSO: 250 mg/mL (686.3 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: 4 mg/mL (10.98 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	2.7452 mL	13.7261 mL	27.4522 mL
5 mM	0.549 mL	2.7452 mL	5.4904 mL
10 mM	0.2745 mL	1.3726 mL	2.7452 mL
50 mM	0.0549 mL	0.2745 mL	0.549 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

Zhang J, Wang Z, Wei X, et al.The suppression of the SPHK1/S1P/S1PR3 signaling pathway diminishes EGFR activation and increases the sensitivity of non-small cell lung cancer to gefitinib.Current Research in Pharmacology and Drug Discovery.2025: 100212.

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