

P2Y14 antagonist 1

Chemical Properties

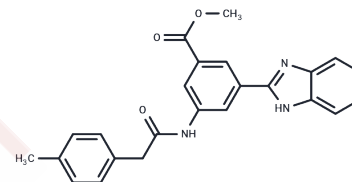
CAS No. :

Formula: C₂₄H₂₁N₃O₃

Molecular Weight: 399.442

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	P2Y14 antagonist 1 (compound 45) is a highly selective and orally active P2Y14 receptor antagonist with an IC ₅₀ value of 0.70 nM. It demonstrates significant anti-inflammatory effects by effectively reducing pulmonary infiltration of immune cells and inflammatory responses through the inhibition of the NLRP3 signaling pathway. P2Y14 antagonist 1 is suitable for studying acute lung injury.
Targets(IC ₅₀)	NOD-like Receptor (NLR), P2Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5035 mL	12.5175 mL	25.035 mL
5 mM	0.5007 mL	2.5035 mL	5.007 mL
10 mM	0.2504 mL	1.2518 mL	2.5035 mL
50 mM	0.0501 mL	0.2504 mL	0.5007 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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