

CAY10789

Chemical Properties

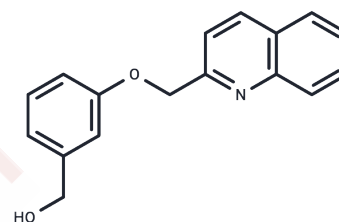
CAS No. : 123226-28-8

Formula: C₁₇H₁₅NO₂

Molecular Weight: 265.31

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	CAY10789 (compound 6) is a potent CysLT1R (cysteinyl leukotriene receptor 1) antagonist with an IC ₅₀ of 2.80 μM and a GPBAR1 (G-protein-coupled bile acid receptor 1) agonist with an EC ₅₀ of 3 μM. It significantly decreases U937 cell adhesion to HAEC and reduces TNF-α expression. CAY10789 demonstrates promising metabolic stability and excellent pharmacokinetics, making it suitable for studying colitis, metabolic syndromes, and other GPBAR1/CysLT1R-related diseases [1].
Targets(IC50)	Others, GPCR19, Leukotriene Receptor, TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7692 mL	18.8459 mL	37.6918 mL
5 mM	0.7538 mL	3.7692 mL	7.5384 mL
10 mM	0.3769 mL	1.8846 mL	3.7692 mL
50 mM	0.0754 mL	0.3769 mL	0.7538 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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