

CB-0821

Chemical Properties

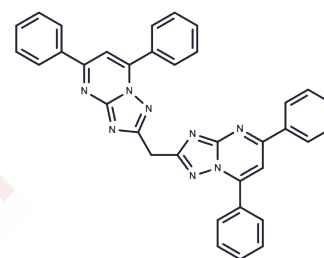
CAS No. : 81430-62-8

Formula: C₃₅H₂₄N₈

Molecular Weight: 556.62

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	CB-0821 is a high-affinity CCR5 inhibitor with a K_i of 0.04 nM. It effectively binds to the hydrophobic pocket of the CCR5 protein, hindering the interaction between viral proteins and CCR5, thereby blocking virus entry. CB-0821 holds potential for anti-HIV research.
Targets(IC ₅₀)	HIV Protease,CCR
In vitro	CB-0821 (10-200 nM) inhibits CCR5 in peripheral blood mononuclear cells (PBMC) in a dose-dependent manner and shows no toxicity to Vero cells at concentrations up to 500 nM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7966 mL	8.9828 mL	17.9656 mL
5 mM	0.3593 mL	1.7966 mL	3.5931 mL
10 mM	0.1797 mL	0.8983 mL	1.7966 mL
50 mM	0.0359 mL	0.1797 mL	0.3593 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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