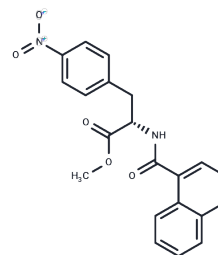


SB 328437

Chemical Properties

CAS No. : 247580-43-4
 Formula: C₂₁H₁₈N₂O₅
 Molecular Weight: 378.38
 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	SB 328437 ((S)-methyl 2-(1-naphthamido)-3-(4-nitrophenyl)propanoate) is an effective and selective antagonist of CCR3 (IC ₅₀ = 4.5 nM).
Targets(IC ₅₀)	CCR,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 125 mg/mL (330.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (8.72 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	2.6428 mL	13.2142 mL	26.4285 mL
5 mM	0.5286 mL	2.6428 mL	5.2857 mL
10 mM	0.2643 mL	1.3214 mL	2.6428 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

White JR, et al. Identification of potent, selective non-peptide CC chemokine receptor-3 antagonist that inhibits eotaxin-, eotaxin-2-, and monocyte chemoattractant protein-1-induced eosinophil migration. J Biol Chem. 2000 Nov 24;275(47):36626-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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