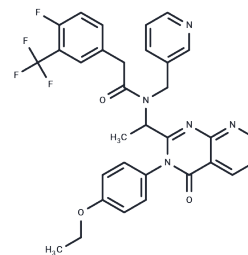


rac-NBI-74330

Chemical Properties

CAS No. : 473722-68-8
 Formula: C₃₂H₂₇F₄N₅O₃
 Molecular Weight: 605.58
 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	rac-NBI-74330 is an effective and selective CXCR3 antagonist.
Targets(IC50)	CXCR3

Solubility Information

Solubility	DMSO: 50 mg/mL (82.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (4.13 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	1.6513 mL	8.2565 mL	16.5131 mL
5 mM	0.3303 mL	1.6513 mL	3.3026 mL
10 mM	0.1651 mL	0.8257 mL	1.6513 mL
50 mM	0.033 mL	0.1651 mL	0.3303 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

Piotrowska A, et al. Pharmacological blockade of CXCR3 by (±)-NBI-74330 reduces neuropathic pain and enhances opioid effectiveness - Evidence from in vivo and in vitro studies. *Biochim Biophys Acta Mol Basis Dis.* 2018 Oct;1864 (10):3418-3437.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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