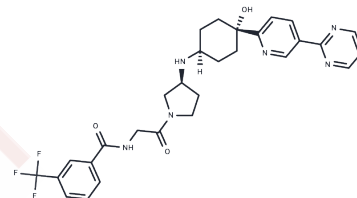


PF-4136309

Chemical Properties

CAS No. : 1341224-83-6
 Formula: C₂₉H₃₁F₃N₆O₃
 Molecular Weight: 568.59
 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	PF-4136309 (INCBB8761) is a specific, effective, and orally bioavailable CCR2 antagonist.
Targets(IC50)	CCR

Solubility Information

Solubility	DMSO: 100 mg/mL (175.87 mM),Sonication is recommended. Ethanol: 100 mg/mL (175.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% EtOH+40% PEG300+5% Tween-80+45% Saline: 10 mg/mL (17.59 mM),Suspension. <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	1.7587 mL	8.7937 mL	17.5874 mL
5 mM	0.3517 mL	1.7587 mL	3.5175 mL
10 mM	0.1759 mL	0.8794 mL	1.7587 mL
50 mM	0.0352 mL	0.1759 mL	0.3517 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

Discovery of INCB8761/PF-4136309, a Potent, Selective, and Orally Bioavailable CCR2 Antagonist By Xue, Chu-Biao; Wang, Anlai; Han, Qi; Zhang, Yingxin; Cao, Ganfeng; Feng, Hao; Huang, Taisheng; Zheng, Changsheng; Xia, Michael; Zhang, Ke; et ACS Med. Chem. Lett., 2011, 2 (12), pp 913-918

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