Data Sheet (Cat.No.T31061)

TargetMol

CP-481715

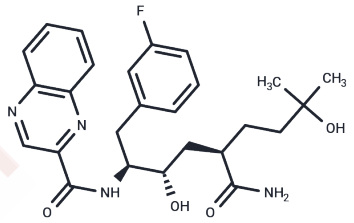
Chemical Properties

CAS No. : 212790-31-3

Formula: C26H31FN4O4

Molecular Weight: 482.55

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	CP 481715 is an effective selective CCR1 antagonist with potential therapeutic significance for inflammatory diseases.
Targets(IC50)	Others,CCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0723 mL	10.3616 mL	20.7232 mL
5 mM	0.4145 mL	2.0723 mL	4.1446 mL
10 mM	0.2072 mL	1.0362 mL	2.0723 mL
50 mM	0.0414 mL	0.2072 mL	0.4145 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

Gilchrist A, Gauntner TD, Fazzini A, Alley KM, Pyen DS, Ahn J, Ha SJ, Willett A, Sansom SE, Yarfi JL, Bachovchin KA, Mazzoni MR, Merritt JR. Identifying bias in CCR1 antagonists using radiolabelled binding, receptor internalization, β-arrestin translocation and chemotaxis assays. Br J Pharmacol. 2014 Nov;171(22):5127-38. doi: 10.1111/bph.12835. PubMed PMID: 24990525; PubMed Central PMCID: PMC4253460.

Gladue RP, Brown MF, Zwillich SH. CCR1 antagonists: what have we learned from clinical trials. Curr Top Med Chem. 2010;10(13):1268-77. Review. PubMed PMID: 20536425.

Borregaard J, Skov L, Wang L, Ting N, Wang C, Beck LA, Sonne J, Clucas A. Evaluation of the effect of the specific CCR1 antagonist CP-481715 on the clinical and cellular responses observed following epicutaneous nickel challenge in human subjects. Contact Dermatitis. 2008 Oct;59(4):212-9. doi: 10.1111/j.1600-0536.2008.01365.x. PubMed PMID: 18844696.

Clucas AT, Shah A, Zhang YD, Chow VF, Gladue RP. Phase I evaluation of the safety, pharmacokinetics and pharmacodynamics of CP-481,715. Clin Pharmacokinet. 2007;46(9):757-66. PubMed PMID: 17713973.

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