

BAY-3153

Chemical Properties

CAS No. :	2771319-69-6
Formula:	C ₂₅ H ₂₉ Cl ₂ N ₃ O ₄
Molecular Weight:	506.42
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	BAY-3153 is a selective CCR1 antagonist with species-specific potency values of human IC ₅₀ = 3 nM, rat IC ₅₀ = 11 nM, and mouse IC ₅₀ = 81 nM. BAY-3153 is used to investigate C-C motif chemokine receptor 1 signaling and its roles in inflammation, immune cell trafficking, and disease-associated chemokine responses.
Targets(IC ₅₀)	CCR
In vivo	BAY-3153 (10 mg/kg) significantly reduced the number of infiltrating macrophages in a mouse renal ischemia-reperfusion experimental model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9746 mL	9.8732 mL	19.7465 mL
5 mM	0.3949 mL	1.9746 mL	3.9493 mL
10 mM	0.1975 mL	0.9873 mL	1.9746 mL
50 mM	0.0395 mL	0.1975 mL	0.3949 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

<https://www.sgc-ffm.uni-frankfurt.de/#!/specificprobeoverview/BAY-3153>

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