

AZD2423

## Chemical Properties

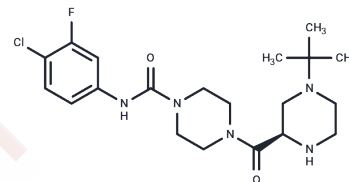
CAS No. : 1229603-37-5

Formula: C<sub>20</sub>H<sub>29</sub>ClFN<sub>5</sub>O<sub>2</sub>

Molecular Weight: 425.93

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	AZD2423 is a potent, selective, orally bioavailable, and non-competitive CCR2 chemokine receptor negative allosteric modulator with an IC <sub>50</sub> of 1.2 nM for CCR2 Ca <sup>2+</sup> flux [1][2][3].
Targets(IC <sub>50</sub> )	CCR
In vitro	AZD2423 inhibits MCP-1-induced calcium mobilization and chemotaxis in the THP-1 cell line, with an IC <sub>50</sub> of 4 nM[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3478 mL	11.739 mL	23.478 mL
5 mM	0.4696 mL	2.3478 mL	4.6956 mL
10 mM	0.2348 mL	1.1739 mL	2.3478 mL
50 mM	0.047 mL	0.2348 mL	0.4696 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

AZD2423.

John G. Cumming. CCR2 antagonists for the treatment of neuropathic pain: The discovery and development of AZD2423.

Kalliomäki J, et al. A randomized, double-blind, placebo-controlled trial of a chemokine receptor 2 (CCR2) antagonist in posttraumatic neuralgia. Pain. 2013 May;154(5):761-7.

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