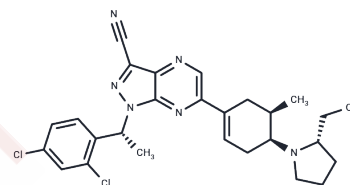


## CCR4 antagonist 2

## Chemical Properties

CAS No. : 2206788-99-8  
 Formula: C<sub>26</sub>H<sub>28</sub>Cl<sub>2</sub>N<sub>6</sub>O  
 Molecular Weight: 511.45  
 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                | CCR4 antagonist 2 (Compound 31) is a novel, potent, orally bioavailable small molecule antagonist of CC chemokine receptor 4 (CCR4) that inhibits Treg trafficking into the Tumor Microenvironment without suppressing the number of Treg in healthy tissues. CCR4 antagonist 2 (Compound 31) exhibits IC <sub>50</sub> values of Ca <sup>2+</sup> flux and [chemotaxis] CTX at 40 nM and 70 nM, respectively. |
| Targets(IC <sub>50</sub> ) | Calcium Channel,CCR  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9552 mL | 9.7761 mL | 19.5523 mL |
| 5 mM  | 0.391 mL  | 1.9552 mL | 3.9105 mL  |
| 10 mM | 0.1955 mL | 0.9776 mL | 1.9552 mL  |
| 50 mM | 0.0391 mL | 0.1955 mL | 0.391 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

Jackson JJ, et al. Discovery of a Potent and Selective CCR4 Antagonist That Inhibits Treg Trafficking into the Tumor Microenvironment. J Med Chem. 2019 Jul 11;62(13):6190-6213.

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