
Product Data Sheet

Product Name: CCR4 antagonist 2

Cat. No.: GC35626

Chemical Properties

Cas. No. 2206788-99-8

SMILES C1C(C=C(Cl)C=C1)=C1[C@@H](C)N2N=C(C#N)C3=C2N=C(C4=CC[C@H](N5[C@H](CO)CCC5)[C@H](C)C4)C=N3Formula C₂₆H₂₈Cl₂N₆O M.Wt 511.45

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

CCR4 antagonist 2 (Compound 31) is a novel potent, orally bioavailable small molecule antagonists 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 IC₅₀ values of Ca²⁺flux and (chemotaxis) CTX are 40 nM and 70 nM, respectively[1]. IC₅₀: 40 nM (Ca²⁺flux); 70 nM (CTX) (CCR4 antagonist 2)[1]

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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