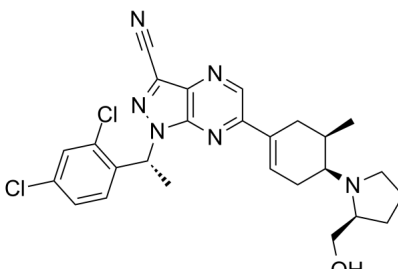


Certificate of Analysis

Catalog Number	BP15966
Product Name	CCR4 antagonist 2

Physical and Chemical Properties

CAS No.	2206788-99-8
Chemical Formula	C ₂₆ H ₂₈ Cl ₂ N ₆ O
Molecular Weight	511.45
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of CCR4 antagonist 2 is shown. It features a central pyrimidine ring substituted with a nitrile group (-C≡N) at position 2, a 2-chlorophenyl group at position 4, and a 1-(2-chlorophenyl)-2-methyl-4-(2-hydroxy-2-methyl-1-pyrrolidinyl)but-3-en-1-yl group at position 6. The structure includes stereochemical indicators: a dashed bond for the chiral center on the butenyl chain and a wedged bond for the methyl group on the pyrrolidine ring.</p>

Product Information

Description	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.
Targets&IC50	CTX,CCR4 antagonist 2:70 nM , Ca2+flux:40 nM

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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