

Inhibitors

# **Proteins**



# **Certificate of Analysis**

# CCR4 antagonist 3 (hydrochloride)

Cat. No.: HY-131349A CAS No.: 2174938-71-5 Batch No.: 140208

**Chemical Name:** 1H-Pyrazolo[3,4-b]pyrazine-3-carbonitrile, 1-[(1R)-1-(2,4-dichlorophenyl)ethyl]-6-[3-[(3R)-1-(2-h

ydroxyethyl)-3-piperidinyl]-1-azetidinyl]-, hydrochloride (1:?)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{24}H_{27}Cl_2N_7O.xHCl$ 

Storage: 4°C, sealed storage, away from moisture

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### **Chemical Structure:**

# ANALYTICAL DATA

Appearance: White to off-white (Solid) <sup>1</sup>H NMR Spectrum: Consistent with structure Consistent with structure

Purity (HPLC): 98.59%

Conclusion: The product has been tested and complies with the given specifications.

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

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