# Data Sheet (Cat.No.T22055)

TargetMol

## BX 513 hydrochloride

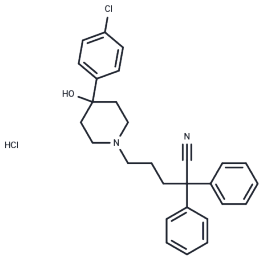
### Chemical Properties

CAS No. : 1216540-18-9

Formula: C28H30Cl2N2O

Molecular Weight: 481.46

Storage: Store at low temperature
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 | BX 513 hydrochloride (VUF 2274 HCl) is a selective CCR1 antagonist (Ki=0.04 μM) that concentration-dependently inhibits CCL18-induced acidification in THP-1 monocytes and suppresses RANTES- and CCL18-induced chemotaxis in peripheral blood mononuclear cells (PBMCs). |
| Targets(IC50) | CCR |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 40.00 mg/mL (83.08 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.077 mL | 10.3851 mL | 20.7702 mL |
| 5 mM | 0.4154 mL | 2.077 mL | 4.154 mL |
| 10 mM | 0.2077 mL | 1.0385 mL | 2.077 mL |
| 50 mM | 0.0415 mL | 0.2077 mL | 0.4154 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

Hulshof JW, et al. Synthesis and pharmacological characterization of novel inverse agonists acting on the viral-encoded chemokine receptor US28. Bioorg Med Chem. 2006;14(21):7213-7230.

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