

## ALX 40-4C Trifluoroacetate

## Chemical Properties

CAS No. :

Formula: C58H114F3N37O12

Molecular Weight: 1578.76

Keep away from moisture

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	Alx40-4C trifluoroacetate is a chemokine receptor (CXCR4) inhibitor, which inhibits the binding of sdf-1 to CXCR4. Alx40-4C trifluoroacetate was also an APJ receptor antagonist with an IC50 value of 2.9 M.
Targets(IC50)	Apelin receptor, CXCR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6334 mL	3.167 mL	6.3341 mL
5 mM	0.1267 mL	0.6334 mL	1.2668 mL
10 mM	0.0633 mL	0.3167 mL	0.6334 mL
50 mM	0.0127 mL	0.0633 mL	0.1267 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

Doranz BJ, et al. Safe use of the CXCR4 inhibitor ALX40-4C in humans. AIDS Res Hum Retroviruses. 2001 Apr 10;17(6):475-86.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481