

SDF-1 α (human)

Chemical Properties

CAS No. :	1268129-65-2
Formula:	C356H578N106O93S4
Molecular Weight:	7959.34
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	SDF-1 α (human) serves as a chemotactic agent for mononuclear cells through its interaction with the CXCR4 receptor, facilitating critical biological processes such as stem cell homing, retention, survival, and proliferation, in addition to cardiomyocyte repair, angiogenesis, and ventricular remodeling post-myocardial infarction. It holds significant utility in cardiovascular disease research [1] [2].
Targets(IC50)	CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1256 mL	0.6282 mL	1.2564 mL
5 mM	0.0251 mL	0.1256 mL	0.2513 mL
10 mM	0.0126 mL	0.0628 mL	0.1256 mL
50 mM	0.0025 mL	0.0126 mL	0.0251 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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