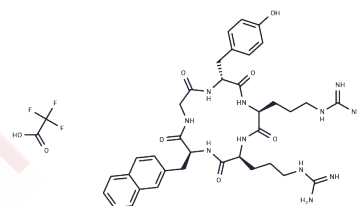


FC131 TFA (606968-52-9 free base)

Chemical Properties

CAS No. :	842166-42-1
Formula:	C38H48F3N11O8
Molecular Weight:	843.85
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	FC131 TFA (606968-52-9 free base) (FC131 TFA) is an antagonist of CXCR4 that inhibits the binding of [125I] -sdf-1 to CXCR4(IC50 : 4.5 nM), and has anti-hiv activity.
Targets(IC50)	HIV Protease,CXCR

Solubility Information

Solubility	DMSO: 250 mg/mL (296.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (5.93 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.185 mL	5.9252 mL	11.8504 mL
5 mM	0.237 mL	1.185 mL	2.3701 mL
10 mM	0.1185 mL	0.5925 mL	1.185 mL
50 mM	0.0237 mL	0.1185 mL	0.237 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

Tamamura H, et al. Stereoselective synthesis of [L-Arg-L/D-3-(2-naphthyl)alanine]-type (E)-alkene dipeptide isosteres and its application to the synthesis and biological evaluation of pseudopeptide analogues of the CXCR4 antagonist FC131. J Med Chem. 2005 Jan 27;48(2):380-91.

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