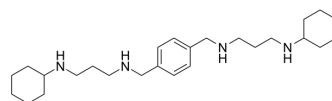


## HF50731

Cat. No.:	HY-146413
CAS No.:	2484771-19-7
Molecular Formula:	C <sub>26</sub> H <sub>46</sub> N <sub>4</sub>
Molecular Weight:	414.67
Target:	CXCR; HIV
Pathway:	GPCR/G Protein; Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	HF50731 (compound 21) is a potent CXCR4 antagonist. HF50731 shows strong CXCR4 binding affinity, with IC <sub>50</sub> of 19.8 nM. HF50731 effectively inhibits calcium mobilization, cell migration, and HIV-1 infection via CXCR4 coreceptor, with IC <sub>50</sub> values of 119.2 nM, 621.4 nM and 1.5 μM <sup>[1]</sup> .	
IC <sub>50</sub> & Target	CXCR4 19.8 nM (IC <sub>50</sub> )	HIV-1 1.5 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Fang X, Meng Q, Zhang H, Liang B, Zhu S, Wang J, Zhang C, Huang LS, Zhang X, Schooley RT, An J, Xu Y, Huang Z. Design, synthesis, and biological characterization of a new class of symmetrical polyamine-based small molecule CXCR4 antagonists. *Eur J Med Chem.* 2020 Aug 15;200:112410.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA