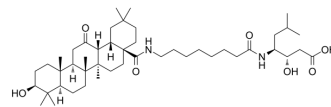


## HIV-1 inhibitor-27

Cat. No.:	HY-146339
CAS No.:	2302046-54-2
Molecular Formula:	C <sub>46</sub> H <sub>78</sub> N <sub>2</sub> O <sub>7</sub>
Molecular Weight:	771.12
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	HIV-1 inhibitor-27 (compound 5) is a potent HIV-1 inhibitor with IC <sub>50</sub> s of 16 μM, 0.5 μM and 0.39 μM for HIV-1 YU2, NL4-3 and 89.6 strain, respectively. HIV-1 inhibitor-27 has low cytotoxicity with a CC <sub>50</sub> of 128 μM in TZM-bl cells. HIV-1 inhibitor-27 can be used for researching AIDS <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	HIV-1 YU2 16 μM (IC <sub>50</sub> )	HIV-1 NL4-3 0.5 μM (IC <sub>50</sub> )	HIV-1 89.6 0.39 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Takeuchi R, et al. Design, synthesis, and bio-evaluation of novel triterpenoid derivatives as anti-HIV-1 compounds. *Bioorg Med Chem Lett.* 2022;69:128768.

**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