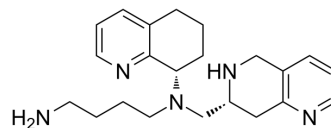


## CXCR4 antagonist 3

Cat. No.:	HY-144286
CAS No.:	2761009-43-0
Molecular Formula:	C <sub>22</sub> H <sub>31</sub> N <sub>5</sub>
Molecular Weight:	365.52
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CXCR4 antagonist 3 (compound 12a) is a potent antagonist of CXCR4 with an IC <sub>50</sub> of 11 nM. CXCR4 antagonist 3 is a congener of TIQ15. CXCR4 antagonist 3 demonstrates the best overall properties including CXCR4 antagonism, CYP 2D6 inhibition, metabolic stability, and permeability. CXCR4 antagonist 3 has the potential for the research of human immunodeficiency virus <sup>[1]</sup> .
IC <sub>50</sub> & Target	CXCR4 11 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Jecs E, et al. Synthesis and Evaluation of Novel Tetrahydronaphthyridine CXCR4 Antagonists with Improved Drug-like Profiles. J Med Chem. 2022;65(5):4058-4084.

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

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