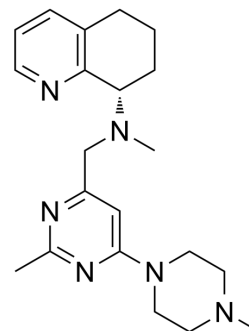


CXCR4 antagonist 5

Cat. No.:	HY-146372
CAS No.:	2304749-86-6
Molecular Formula:	C ₂₁ H ₃₀ N ₆
Molecular Weight:	366.5
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 5 (compound 23) is a highly potent CXCR4 antagonist with an IC ₅₀ value of 8.8 nM. CXCR4 antagonist 5 can inhibit CXCL12-induced cytosolic calcium increase (IC ₅₀ = 0.02 nM) and inhibits CXCR4/CXCL12-mediated chemotaxis. CXCR4 antagonist 5 has good physicochemical properties and in vitro safety profiles, inhibiting CYP isozymes and hERG marginally or moderately ^[1] .
IC ₅₀ & Target	CXCR4 8.8 nM (IC ₅₀)

REFERENCES

[1]. Zhu F, et al. Structural optimization of aminopyrimidine-based CXCR4 antagonists. *Eur J Med Chem.* 2020;187:111914.

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

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