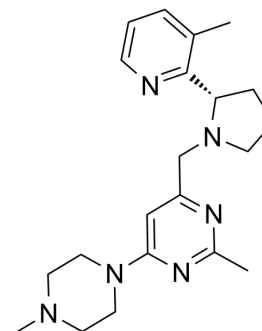


CXCR4 antagonist 6

Cat. No.:	HY-146401
CAS No.:	2304750-68-1
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 6 (compound 46) is a potent CXCR4 antagonist with an IC ₅₀ value of 79 nM. CXCR4 antagonist 6 inhibits CXCL12 induced cytosolic calcium flux (IC ₅₀ = 0.25 nM). CXCR4 antagonist 6 significantly mitigates CXCL12/CXCR4 mediated cell migration. CXCR4 antagonist 6 exhibits marked efficacy in a cancer metastasis model in mice ^[1] .
IC ₅₀ & Target	CXCR4 79 nM (IC ₅₀)

REFERENCES

[1]. Li Z, et al. Design, synthesis, and evaluation of pyrrolidine based CXCR4 antagonists with in vivo anti-tumor metastatic activity. *Eur J Med Chem.* 2020;205:112537.

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

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