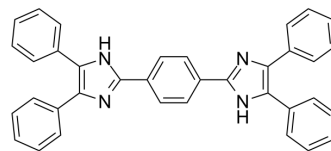


MSX-130

Cat. No.:	HY-103010		
CAS No.:	4051-59-6		
Molecular Formula:	C ₃₆ H ₂₆ N ₄		
Molecular Weight:	514.62		
Target:	CXCR		
Pathway:	GPCR/G Protein; Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2 mg/mL (3.89 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9432 mL	9.7159 mL	19.4318 mL
5 mM	---	---	---
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	MSX-130 is a CXCR4 antagonist. MSX-130 inhibits cancer metastasis ^[1] .
IC ₅₀ & Target	CXCR4
In Vitro	<p>The C-X-C chemokine receptor-4 (CXCR4) is a seven trans-membrane G-protein coupled receptor (GPCR) classified as a member of the family I GPCR or rhodopsin-like GPCR family. CXCR4 plays an important role in cancer metastasis, regulation of stem cell trafficking, and neovascularization^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Zhan W, et al. Discovery of small molecule CXCR4 antagonists. J Med Chem. 2007 Nov 15;50(23):5655-64.

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

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