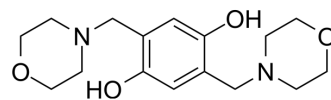


MSX-127

Cat. No.:	HY-103009		
CAS No.:	6616-56-4		
Molecular Formula:	C ₁₆ H ₂₄ N ₂ O ₄		
Molecular Weight:	308.37		
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 : 41.67 mg/mL (135.13 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2429 mL	16.2143 mL	32.4286 mL
5 mM	0.6486 mL	3.2429 mL	6.4857 mL
10 mM	0.3243 mL	1.6214 mL	3.2429 mL

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

BIOLOGICAL ACTIVITY

Description

MSX-127 is a CXCR4 antagonist. MSX-127 inhibits cancer metastasis^[1].

IC₅₀ & Target

CXCR4

In Vitro

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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Biol Int. 2022 Jun 22.

See more customer validations on www.MedChemExpress.com

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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