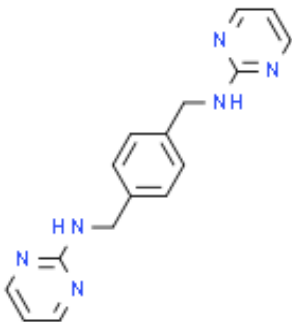


## Product Data Sheet

Cas No.:	897657-95-3	Cat. No:	PL03648
Product Name:	MSX-122		
Product synonym:	MSX-122		
Chemical name:	MSX-122		
MF:	C16H16N6	FW:	292.338441848755
Purity:	≥96%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	N1C(NCC2C=CC(CNC3N=CC=CN=3)=CC=2)=NC=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

MSX-122 是一种可口服的 CXCR4 的部分拮抗剂，抑制 CXCR4/CXCL12 相互作用，IC<sub>50</sub> 值约为 10 nM。MSX-122 具有抗炎和抗转移的活性。

生物活性	MSX-122 is an orally active partial antagonist of CXCR4, inhibiting CXCR4/CXCL12 actions, with an IC <sub>50</sub> of ~10 nM. MSX-122 has anti-inflammatory and anti-metastatic activity.
IC <sub>50</sub> & Target[1][2]	CXCR4/CXCL12 ~10 nM (IC <sub>50</sub> )
体外研究(In Vitro)	MSX-122 is a partial antagonist of CXCR4, inhibiting CXCR4/CXCL12 actions, with an IC <sub>50</sub> of ~10 nM. MSX-122 shows no inhibition on cAMP reduction mediated by their corresponding ligands CCR3/CCL5 and CCR5/CCL5. MSX-122 (100 nM) potently blocks invasion of 78% MDA-MB-231 cells. However, MSX-122 does not suppress T-tropic HIV infection and is inactive in calcium flux assay. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	MSX-122 (10 mg/kg, i.p.) blocks inflammation induced by carrageenan and lung fibrosis induced by bleomycin in mice. MSX-122 (4 mg/kg, i.p., daily) blocks metastasis in an experimental animal model of breast cancer metastasis. Furthermore, MSX-122 (10 mg/kg i.p., daily) significantly decreases the numbers of hepatic micrometastases. has not independently confirmed the accuracy of these methods. They are for reference only.

包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 4 mg/mL (13.68 mM; Need ultrasonic)配制储备液