
MSX-122

产品编号: D51224

CAS: 897657-95-3

分子式: C₁₆H₁₆N₆

纯度: ≥98%

InChi: InChI=1S/C₁₆H₁₆N₆/c1-7-17-15(18-8-1)21-11-13-3-5-14(6-4-13)12-22-16-19-9-2-10-20-16/h1-10H,11-12H₂, (H,17,18,21)(H,19,20,22)

InChi Key: PXZXYRKDDXKDTK-UHFFFAOYSA-N

Smiles: C(NC1N=CC=CN=1)C1C=CC(CNC2N=CC=CN=2)=CC=1

外观: 固体粉末

作用通路: CXCR

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: MSX-122 is a n orally bioavailable inhibitor of CXCR4 with potential antineoplastic and antiviral activities. CXCR4 inhibitor MSX-122 binds to the chemokine receptor CXCR4, preventing the binding of stromal derived factor-1 (SDF-1) to the CXCR4 receptor and receptor activation, which may result in decreased tumor cell proliferation and migration. CXCR4, a chemokine receptor belonging to the GPCR (G protein-coupled receptor) gene family, plays an important role in chemotaxis and angiogenesis and is upregulated in several tumor cell types; it is also a co-receptor for HIV entry into T cells. The chemical structure of MSX-122 is very similar to that of WZ811.