

PRODUCT:**MSX-122****ALTERNATE NAME:**

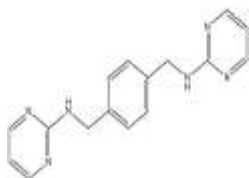
N,N'-(1,4-phenylenebis(methylene))bis(pyrimidin-2-amine)

CATALOG #:

B2276-5,25

AMOUNT:

5 mg, 25 mg

STRUCTURE:**MOLECULAR FORMULA:**C₁₆H₁₆N₆**MOLECULAR WEIGHT:**

292.34

CAS NUMBER:

897657-95-3

APPEARANCE:

White solid

SOLUBILITY:

DMSO (~0.2 mg/ml)

PURITY:

≥98% by HPLC

STORAGE:

Store at -20°C. Protect from air and light

DESCRIPTION:

MSX-122 is a potent inhibitor of CXCR4 with potential antineoplastic and antiviral activities. 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.

REFERENCES:

Ziarek, J.J., et al. (2012). *Curr Top Med Chem.* 12, 2727-2740.

HANDLING:

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:Diprotin A (**2191**)CXCR4 Antibody (**5224**)CXCR4 Antibody (**5541**)MSX-122 (**B2276**)MSX-130 (**B2157**)**USAGE:****FOR RESEARCH USE ONLY! Not to be used in humans**