
Product Data Sheet

Product Name: MSX-127
Cat. No.: GC68040

Chemical Properties

Cas. No. 6616-56-4

Formula $C_{16}H_{24}N_2O_4$ M.Wt 308.37

Solubility DMSO : 41.67 mg/mL (135.13 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

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

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].

[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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