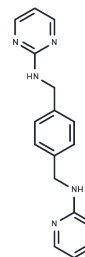


MSX-122

Chemical Properties

CAS No. : 897657-95-3
 Formula: C₁₆H₁₆N₆
 Molecular Weight: 292.34
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	MSX-122 is a novel small molecule and partial CXCR4 antagonist, with potent inhibition of CXCR4/CXCL12 actions (IC ₅₀ = 10 nM).
Targets (IC ₅₀)	CXCR

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4207 mL	17.1034 mL	34.2067 mL
5 mM	0.6841 mL	3.4207 mL	6.8413 mL
10 mM	0.3421 mL	1.7103 mL	3.4207 mL
50 mM	0.0684 mL	0.3421 mL	0.6841 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Liang Z, et al. Development of a unique small molecule modulator of CXCR4. PLoS One. 2012;7(4):e34038.

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