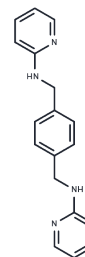


WZ811

Chemical Properties

CAS No. : 55778-02-4
 Formula: C₁₈H₁₈N₄
 Molecular Weight: 290.36
 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	WZ811 is a novel and effective small molecular CXCR4 antagonist (EC ₅₀ : 0.3 nM).
Targets(IC ₅₀)	CXCR
In vivo	WZ811 markedly inhibits the reduction of cAMP caused by SDF-1. It also demonstrates inhibitory effects on SDF-1-mediated invasion with an EC ₅₀ value of 5.2 nM.

Solubility Information

Solubility	DMSO: 28 mg/mL (96.43 mM), Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or 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	3.444 mL	17.220 mL	34.440 mL
5 mM	0.6888 mL	3.444 mL	6.888 mL
10 mM	0.3444 mL	1.722 mL	3.444 mL
50 mM	0.0689 mL	0.3444 mL	0.6888 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

Zhan W, et al. J Med Chem, 2007, 50(23), 5655-5664.

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