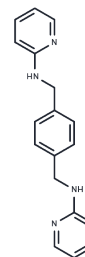


WZ811

## Chemical Properties

CAS No. : 55778-02-4  
Formula: C<sub>18</sub>H<sub>18</sub>N<sub>4</sub>  
Molecular Weight: 290.36  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | WZ811 is a novel and effective small molecular CXCR4 antagonist (EC <sub>50</sub> : 0.3 nM).                                                                                |
| Targets(IC <sub>50</sub> ) | 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 <sub>50</sub> value of 5.2 nM. |

## Solubility Information

|            |                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 28 mg/mL (96.4 mM),<br>Ethanol: < 1 mg/mL (insoluble or slightly soluble),<br>&lt; 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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.

## Reference

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

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