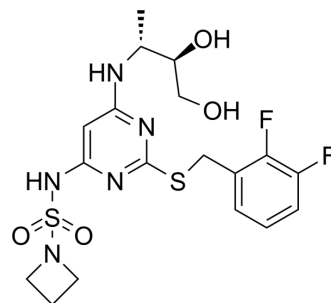


## SRT3109

<b>Cat. No.:</b>	HY-15462		
<b>CAS No.:</b>	1204707-71-0		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>23</sub> F <sub>2</sub> N <sub>5</sub> O <sub>4</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	475.53		
<b>Target:</b>	CXCR		
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : ≥ 100 mg/mL (210.29 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.1029 mL	10.5146 mL	21.0292 mL
	5 mM		0.4206 mL	2.1029 mL	4.2058 mL
	10 mM		0.2103 mL	1.0515 mL	2.1029 mL

Please refer to the solubility information to select the appropriate solvent.

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.75 mg/mL (5.78 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.75 mg/mL (5.78 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.75 mg/mL (5.78 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

SRT3109 is an antagonist of CXCR2, with a pIC<sub>50</sub> of 8.2, and used in the research of chemokine mediated diseases.

### IC<sub>50</sub> & Target

CXCR2  
 8.2 (pIC<sub>50</sub>)

### In Vitro

SRT3109 (Example 1) is an antagonist of CXCR2, with a pIC<sub>50</sub> of 8.2, and used in the research of chemokine mediated

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diseases<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## CUSTOMER VALIDATION

- Patent. US20210301011A1.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

[1]. Premji Meghani, et al. Pyrimidyl sulfonamide derivative and its use for the treatment of chemokine mediated diseases. WO2010007427A1

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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