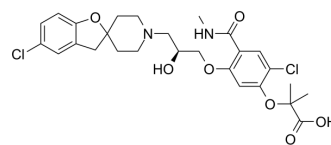


## AZD-4818

<b>Cat. No.:</b>	HY-15545		
<b>CAS No.:</b>	1003566-93-5		
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>32</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>7</sub>		
<b>Molecular Weight:</b>	567.46		
<b>Target:</b>	CCR		
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (88.11 mM; ultrasonic and adjust pH to 2 with HCl)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7622 mL	8.8112 mL	17.6224 mL
	5 mM	0.3524 mL	1.7622 mL	3.5245 mL
	10 mM	0.1762 mL	0.8811 mL	1.7622 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: ≥ 2.5 mg/mL (4.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (4.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (4.41 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

AZD-4818 is a potent antagonist of chemokine CCR1. AZD-4818 can be used for researching chronic obstructive pulmonary disease (COPD) [1].

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

CCR1<sup>[1]</sup>

### REFERENCES

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

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