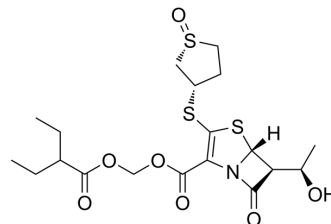


## Sulopenem etzadroxil

<b>Cat. No.:</b>	HY-109754		
<b>CAS No.:</b>	1000296-70-7		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>27</sub> NO <sub>7</sub> S <sub>3</sub>		
<b>Molecular Weight:</b>	477.62		
<b>Target:</b>	Bacterial; Antibiotic		
<b>Pathway:</b>	Anti-infection		
<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 : 100 mg/mL (209.37 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0937 mL	10.4686 mL	20.9371 mL
	5 mM	0.4187 mL	2.0937 mL	4.1874 mL
	10 mM	0.2094 mL	1.0469 mL	2.0937 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 (5.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (5.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.23 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Sulopenem etzadroxil (PF-03709270) is an orally available ester proagent form of sulopenem, with broad-spectrum antibacterial activity against most gram-positive and gram-negative bacteria.

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

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