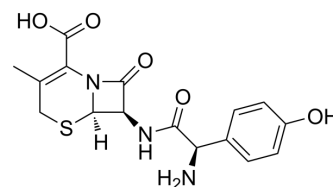


## Cefadroxil

Cat. No.:	HY-B1190		
CAS No.:	50370-12-2		
Molecular Formula:	C <sub>16</sub> H <sub>17</sub> N <sub>3</sub> O <sub>5</sub> S		
Molecular Weight:	363.39		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 9.17 mg/mL (25.23 mM; ultrasonic and adjust pH to 3 with HCl)  
 DMSO : 5 mg/mL (13.76 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.7519 mL	13.7593 mL	27.5186 mL
5 mM	0.5504 mL	2.7519 mL	5.5037 mL
10 mM	0.2752 mL	1.3759 mL	2.7519 mL

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

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 4.55 mg/mL (12.52 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

### BIOLOGICAL ACTIVITY

#### Description

Cefadroxil is a broad-spectrum antibiotic of the cephalosporin type, effective in Gram-positive and Gram-negative bacterial infections.

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

β-lactam

### REFERENCES

[1]. Chen X, et al. Influence of peptide transporter 2 (PEPT2) on the distribution of cefadroxil in mouse brain: A microdialysis study. *Biochem Pharmacol.* 2017 May 1;131:89-97.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA