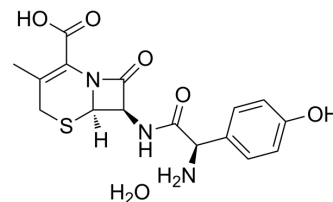


Cefadroxil hydrate

Cat. No.:	HY-B1190A
CAS No.:	66592-87-8
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O ₆ S
Molecular Weight:	381.4
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (13.11 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.6219 mL	13.1096 mL	26.2192 mL	
5 mM	0.5244 mL	2.6219 mL	5.2438 mL	
10 mM	0.2622 mL	1.3110 mL	2.6219 mL	

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

BIOLOGICAL ACTIVITY

Description

Cefadroxil hydrate (BL-S 578 hydrate) is an orally active and first-generation cephalosporin with a broad spectrum antibacterial activity. Cefadroxil hydrate (BL-S 578 hydrate) also acts as a substrate of the peptide transporter PEPT1 and PEPT2^{[1][2]}.

IC₅₀ & 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.

[2]. Hu Y, et al. Species differences in the pharmacokinetics of cefadroxil as determined in wildtype and humanized PepT1 mice. *Biochem Pharmacol.* 2016 May 1;107:81-90.

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

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