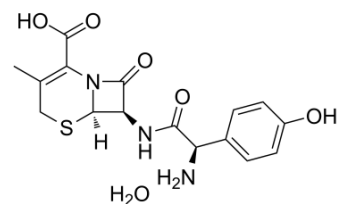


## Cefadroxil hydrate

<b>Cat. No.:</b>	HY-B1190A
<b>CAS No.:</b>	66592-87-8
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>19</sub> N <sub>3</sub> O <sub>6</sub> S
<b>Molecular Weight:</b>	381.4
<b>Target:</b>	Bacterial; Antibiotic
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Bacterial <sup>[1][2]</sup>

### 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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