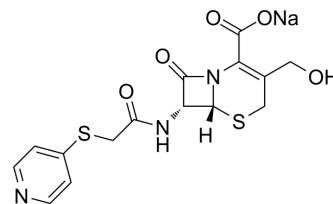


## Desacetylcephapirin sodium

<b>Cat. No.:</b>	HY-131989
<b>CAS No.:</b>	104557-24-6
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>14</sub> N <sub>3</sub> NaO <sub>5</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	403.41
<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>	Desacetylcephapirin sodium (Deacetylcephapirin sodium) is an active metabolite of Cephapirin (HY-A0153A). Desacetylcephapirin sodium has antimicrobial against <i>S. aureus</i> and coagulase-negative staphylococci mastitis pathogen <sup>[1]</sup> [2].
<b>IC<sub>50</sub> &amp; Target</b>	Antibacterial <sup>[2]</sup>
<b>In Vitro</b>	Desacetylcephapirin sodium exhibits inhibitory activity on <i>Streptococcus dysgalactiae</i> , with MIC <sub>50</sub> s both of 0.25 µg/mL for clinical and subclinical bacterial strain <sup>[2]</sup> . Desacetylcephapirin sodium exhibits inhibitory activity on coagulase-negative staphylococci mastitis pathogen, with MIC <sub>50</sub> s both of 0.12 µg/mL for clinical and subclinical bacterial strain <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. B. E. Cabana, et al. Comparative Pharmacokinetics and Metabolism of Cephapirin in Laboratory Animals and Humans. *Antimicrob Agents Chemother.* 1976 Aug; 10(2): 307-317.
- [2]. Cristina S Cortinhas, et al. Minimum inhibitory concentrations of cephalosporin compounds and their active metabolites for selected mastitis pathogens. *Am J Vet Res.* 2013 May;74(5):683-90.

**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

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