

## Cefozopran hydrochloride

**Chemical Properties**

CAS No.:	113981-44-5
Formula:	C <sub>19</sub> H <sub>18</sub> CIN <sub>9</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	551.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Cefozopran hydrochloride is a fourth-generation cephalosporin. is a cell wall biosynthesis inhibitor with a broad spectrum of activity against Gram-positive and Gram-negative bacteria.
Targets(IC <sub>50</sub> )	Bacterial: None

**Solubility Information**

Solubility	H <sub>2</sub> O: 52 mg/mL (94.20 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.812 mL	9.058 mL	18.116 mL
5 mM	0.362 mL	1.812 mL	3.623 mL
10 mM	0.181 mL	0.906 mL	1.812 mL
50 mM	0.036 mL	0.181 mL	0.362 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Wu G L , Shentu J Z , Zhou H L , et al. Pharmacokinetics of Cefozopran by Single and Multiple Intravenous Infusions in Healthy Chinese Volunteers[J]. *Drugs in R & D*, 2015, 15(1):63-70.
2. Zalewski P , Garbacki P , Cielecka-Piontek J , et al. Development and validation of the stability-indicating LC-UV method for determination of cefozopran hydrochloride[J]. *Acta poloniae pharmaceutica*, 2015, 72(3):423-427.

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