

## Flomoxef sodium

## Chemical Properties

CAS No. : 92823-03-5

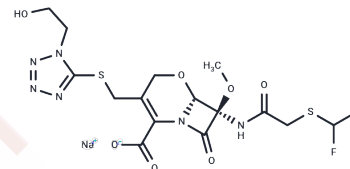
Formula: C<sub>15</sub>H<sub>17</sub>F<sub>2</sub>N<sub>6</sub>NaO<sub>7</sub>S<sub>2</sub>

Molecular Weight: 518.44

Keep away from moisture, Store under nitrogen, Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Flomoxef sodium, an antibiotic belonging to the oxacephem group, exhibits excellent activity against a broad spectrum of Gram-positive bacteria.
Targets(IC50)	Others, Antibacterial, Antibiotic

## Solubility Information

Solubility	H <sub>2</sub> O: 250 mg/mL (482.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.86 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.9289 mL	9.6443 mL	19.2886 mL
5 mM	0.3858 mL	1.9289 mL	3.8577 mL
10 mM	0.1929 mL	0.9644 mL	1.9289 mL
50 mM	0.0386 mL	0.1929 mL	0.3858 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Yazawa K, et al. In-vitro activity of flomoxef, a new oxacephem group antibiotic, against Nocardia in comparison with other cephalosporins. J Antimicrob Chemother. 1989 Dec;24(6):921-5.

Simon C, et al. In vitro activity of flomoxef in comparison to other cephalosporins. Infection. 1988 Mar-Apr;16(2):131-4.

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