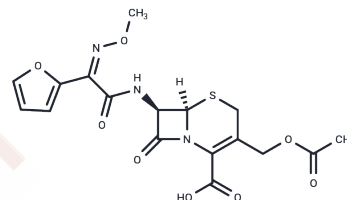


## Cefuracetime

## Chemical Properties

CAS No. :	39685-31-9
Formula:	C <sub>17</sub> H <sub>17</sub> N <sub>3</sub> O <sub>8</sub> S
Molecular Weight:	423.4
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Cefuracetime (SKF81367) (SKF81367) is a cephalosporin antibiotic.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 50 mg/mL (118.09 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 (4.72 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

	1mg	5mg	10mg
1 mM	2.3618 mL	11.8092 mL	23.6183 mL
5 mM	0.4724 mL	2.3618 mL	4.7237 mL
10 mM	0.2362 mL	1.1809 mL	2.3618 mL
50 mM	0.0472 mL	0.2362 mL	0.4724 mL

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

Shahid M, et al. Beta-lactams and beta-lactamase-inhibitors in current- or potential-clinical practice: a comprehensive update. Crit Rev Microbiol. 2009;35(2):81-108.

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