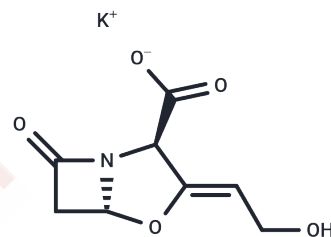


## Clavulanate potassium

## Chemical Properties

CAS No. :	61177-45-5
Formula:	C <sub>8</sub> H <sub>8</sub> KNO <sub>5</sub>
Molecular Weight:	237.25
Storage:	Store under nitrogen Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Clavulanate potassium is a potent $\beta$ -lactamase inhibitor with antibiotic activity.
Targets(IC <sub>50</sub> )	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.215 mL	21.0748 mL	42.1496 mL
5 mM	0.843 mL	4.215 mL	8.4299 mL
10 mM	0.4215 mL	2.1075 mL	4.215 mL
50 mM	0.0843 mL	0.4215 mL	0.843 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

Huttner A, et al. Oral amoxicillin and amoxicillin-clavulanic acid: properties, indications and usage. Clin Microbiol Infect. 2020 Jul;26(7):871-879.

Obaidat R, et al. Co-crystallization of Amoxicillin Trihydrate and Potassium Clavulanate Provides a Promising Approach for Preparation of Sustained-Release Microspheres. AAPS PharmSciTech. 2022 May 2;23(5):131.

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