
Product Data Sheet

Product Name: Potassium clavulanate:cellulose (1:1)

Cat. No.: GC10053

Chemical Properties

Cas. No. 61177-45-5

Chemical Name potassium (2R,5R,Z)-3-(2-hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylate

SMILES OC/C([H])=C1[C@](N2C(C[C@@]2([H])O/1)=O)([H])C([O-])=O.[K+]Formula C₈H₈KNO₅ M.Wt 237.25

Solubility Limited solubility Storage 2-8°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Potassium clavulanate cellulose is a mixture of potassium clavulanate and cellulose, is a beta-lactamase inhibitor. Target: Antibacterial. Clavulanate potassium is a form of Clavulanic acid, which is similar to penicillin. Clavulanate potassium fights bacteria that is often resistant to penicillins and other antibiotics. The combination of amoxicillin and clavulanate potassium is used to treat many different infections caused by bacteria, such as sinusitis, pneumonia, ear infections, bronchitis, urinary tract infections, and infections of the skin.

Caution: Product has not been fully validated for medical applications. For research use only.

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