Product Data Sheet

Product Name: Potassium clavulanate cellulose
Cat. No.: GC36951

Chemical Properties

Cas. No.			
SMILES	O[C@H]1[C@H](O[C@H]2[C@H](O)[C@@H](O)[C@H](C)[C@@H](CO)O2)[C@@H](CO)O[C@@H](OC)[C@@H]1O.O=C([C@@H](/C(O[C@]3([H])C4)=C/CO)N3C4=O)O.[n].[K+]		
Formula	$C_8H_9NO_5K$.$(C_6H_{10}O_5)n$	M.Wt	238.26 (Potassium clavulanate)
Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble); Water: < 0.1 mg/mL (insoluble)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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: AntibacterialClavulanate 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.

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