

## Cellulase

Cat. No.:	HY-B2220
CAS No.:	9012-54-8
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

# Cellulase

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : ≥ 25 mg/mL DMSO : 4 mg/mL (ultrasonic and warming and heat to 60°C) * "≥" means soluble, but saturation unknown.
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### BIOLOGICAL ACTIVITY

Description	Cellulase is an enzyme catalyzing the hydrolysis of certain linkages in cellulose and other carbohydrates.
In Vitro	Cellulase exhibits significant antibiofilm activity against <i>B. cepacia</i> , but does not have much action on its growth <sup>[1]</sup> . Cellulase and protease leads to the CST increasing in the case of activated sludge, but the effect of cellulase is lower than that of protease at the same concentration. Cellulase decreases the particle size of activated sludge. Cellulase has no significantly effect on sludge dewatering in terms of solid concentration after centrifugation <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Rajasekharan SK, et al. Cellulase inhibits Burkholderia cepacia biofilms on diverse prosthetic materials. Pol J Microbiol. 2013;62(3):327-30.
- [2]. Pei HY, et al. Effect of protease and cellulase on the characteristic of activated sludge. J Hazard Mater. 2010 Jun 15;178(1-3):397-403.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite F, Monmouth Junction, NJ 08852, USA