Data Sheet (Cat.No.T19231)

TargetMol
YOUR TARGET MOLECULES

Cellulase

Chemical Properties

CAS No. : 9012-54-8

Formula:

Molecular Weight:

Appearance: solid

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Cellulase

Biological Description

Description	Cellulase is an enzyme that catalyzes the hydrolysis of certain linkages in cellulose.
Targets(IC50)	Others
In vitro	Cellulase exhibits significant antibiofilm activity against B. cepacia, but does not have much action on its growth [1]. Cellulase and protease lead 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 the activated sludge [2].

Solubility Information

Solubility	H2O: 1 mg/mL (Need ultrasonic),Sonication is recommended. DMSO: 55 mg/ml,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Rajasekharan SK, et al. Cellulase inhibits Burkholderia cepacia biofilms on diverse prosthetic materials. Pol J Microbiol. 2013;62(3):327-30.

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