

Amylase

Cat. No.:	HY-B2192		
CAS No.:	9000-92-4		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Amylase

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (ultrasonic and warming and heat to 60°C)
	H ₂ O : < 0.1 mg/mL (insoluble)

BIOLOGICAL ACTIVITY

Description	Amylase is an enzyme produced by pancreas and salivary glands, catalyzing the hydrolysis of starch into sugars. Amylase are broadly classified into α , β , and γ subtypes ^{[1][2]} .
In Vitro	A mixture of glycosylated amylase and proline-rich proteins or fractions containing mostly non-glycosylated amylase predominantly promotes adhesion of <i>S. gordonii</i> G9B. Fractions containing amylase do not promote adhesion of <i>S. sanguis</i> 10556 to HAP ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Scannapieco FA, et al. Salivary amylase promotes adhesion of oral streptococci to hydroxyapatite. *J Dent Res.* 1995 Jul;74(7):1360-6.
- [2]. Subash C. B. Gopinath, et al. Biotechnological Processes in Microbial Amylase Production. *Biomed Res Int.* 2017; 2017: 1272193.

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 Q, Monmouth Junction, NJ 08852, USA