



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Pullulan, Viscosity(10%):15-180mPa.s

<b>Cat. No.:</b>	HY-W145522			
<b>CAS No.:</b>	9057-02-7			
<b>Target:</b>	Biochemical Assay Reagents			
<b>Pathway:</b>	Others			Pullulan, Viscosity(10%):15-180mPa.s
<b>Storage:</b>	Powder	-20°C	3 years	
		4°C	2 years	
	In solvent	-80°C	6 months	
		-20°C	1 month	

### SOLVENT & SOLUBILITY

**In Vitro** H<sub>2</sub>O : 50 mg/mL (Need ultrasonic)

### BIOLOGICAL ACTIVITY

**Description** Pullulan (Pullulan standard 5800) (Mw 362-480 kDa; Mn 100-200 kDa) is a class of orally active and water-soluble linear glucosic polysaccharide. Pullulan can be isolated from the polymorphic fungus *Aureobasidium pullulans*. Pullulan is composed of maltotriose repeating units linked by  $\alpha$ -1,6 linkages and is an amorphous slime matter. Pullulan is widely used in food, environment, pharmaceutical, manufacturing, and electronics<sup>[1][2][3][4]</sup>.

**In Vivo** Pullulan (1, 5 and 10 % dispersed in feed; p.o.; 62 weeks) has insignificant impact on survival rate and body weight without showing chronic toxicity in SD rats<sup>[4]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Cheng KC, et al. Pullulan: biosynthesis, production, and applications. *Appl Microbiol Biotechnol.* 2011 Oct;92(1):29-44.
- [2]. Leathers TD. Biotechnological production and applications of pullulan. *Appl Microbiol Biotechnol.* 2003 Oct;62(5-6):468-73.
- [3]. Singh RS, et al. Pullulan: Microbial sources, production and applications. *Carbohydr Polym.* 2008 Sep 5;73(4):515-31.
- [4]. Kimoto T, et al. Safety studies of a novel starch, pullulan: chronic toxicity in rats and bacterial mutagenicity. *Food Chem Toxicol.* 1997 Mar-Apr;35(3-4):323-9.

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

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