



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

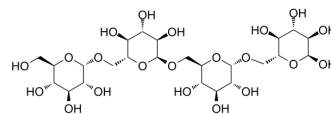
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Isomaltotetraose

Cat. No.:	HY-N7948		
CAS No.:	35997-20-7		
Molecular Formula:	C ₂₄ H ₄₂ O ₂₁		
Molecular Weight:	666.58		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (375.05 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.5002 mL	7.5010 mL	15.0019 mL
	5 mM	0.3000 mL	1.5002 mL	3.0004 mL
	10 mM	0.1500 mL	0.7501 mL	1.5002 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (75.01 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	Isomaltotetraose is one of isomalto-oligosaccharide (IMO), the main hydrolysis end products of DexKQ ^[1] . Isomaltotetraose can induce dextranase synthesis ^[2] .
-------------	---

REFERENCES

- [1]. Hongfei Liu, et al. Characterization of an Alkaline GH49 Dextranase from Marine Bacterium *Arthrobacter oxydans* KQ11 and Its Application in the Preparation of Isomalto-Oligosaccharide. *Mar Drugs*. 2019 Aug 19;17(8):479.
- [2]. David W Koenig, et al. Induction of *Lipomyces starkeyi* Dextranase. *Appl Environ Microbiol*. 1989 Aug;55(8):2079-2081.

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