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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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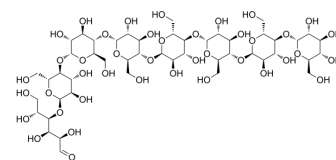
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Maltooctaose

Cat. No.:	HY-N9406
CAS No.:	66567-45-1
Molecular Formula:	C ₄₈ H ₈₂ O ₄₁
Molecular Weight:	1315.14
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 150 mg/mL (114.06 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.7604 mL	3.8019 mL	7.6038 mL
	5 mM		0.1521 mL	0.7604 mL	1.5208 mL
	10 mM		0.0760 mL	0.3802 mL	0.7604 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Maltooctaose, a specific-length maltooligosaccharide, can be produced by PFTA (Pyrococcus furiosus)^[1].

In Vitro

PFTA (Pyrococcus furiosus) is a very special enzyme that can easily open up the certain cyclodextrin molecules to produce specific-length maltooligosaccharides, particularly maltohexaose, maltoheptaose, and maltooctaose^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yang SJ, et al. Enzymatic preparation of maltohexaose, maltoheptaose, and maltooctaose by the preferential cyclomaltooligosaccharide (cyclodextrin) ring-opening reaction of Pyrococcus furiosus thermostable amylase [published correction appears in Carbohydr Res. 2006 Jul 3;341(9):1192]. Carbohydr Res. 2006;341(3):420-424.

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

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