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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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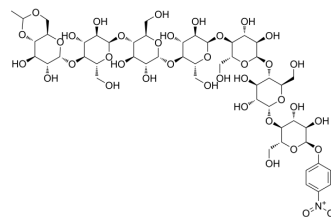
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Ethylidene-4-nitrophenyl- α -D-Maltoheptaoside

Cat. No.:	HY-112835
CAS No.:	96597-16-9
Molecular Formula:	C ₅₀ H ₇₇ NO ₃₈
Molecular Weight:	1300.13
Target:	Amylases
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (76.92 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Concentration \ Mass	1 mg	5 mg	10 mg
		1 mM	0.7692 mL	3.8458 mL	7.6915 mL
		5 mM	0.1538 mL	0.7692 mL	1.5383 mL
		10 mM	0.0769 mL	0.3846 mL	0.7692 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: \geq 2.5 mg/mL (1.92 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: \geq 2.5 mg/mL (1.92 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Ethylidene-4-nitrophenyl- α -D-Maltoheptaoside (pNP-G7) is the substrate of α -amylase. Ethylidene-4-nitrophenyl- α -D-Maltoheptaoside can be used to measure α -amylase activity ^[1] .
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REFERENCES

- [1]. Lorentz K. Routine alpha-amylase assay using protected 4-nitrophenyl-1, 4-alpha-D-maltoheptaoside and a novel alpha-glucosidase. Clin Chem. 2000 May;46(5):644-9.
- [2]. Lorentz K. Routine alpha-amylase assay using protected 4-nitrophenyl-1, 4-alpha-D-maltoheptaoside and a novel alpha-glucosidase. Clin Chem. 2000 May;46(5):644-9.

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

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