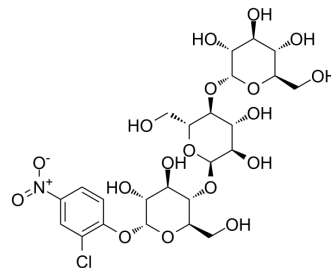


G3-CNP

Cat. No.:	HY-153102
CAS No.:	118291-90-0
Molecular Formula:	C ₂₄ H ₃₄ ClNO ₁₈
Molecular Weight:	659.98
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (189.40 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5152 mL	7.5760 mL	15.1520 mL
	5 mM	0.3030 mL	1.5152 mL	3.0304 mL
	10 mM	0.1515 mL	0.7576 mL	1.5152 mL

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

BIOLOGICAL ACTIVITY

Description

G3-CNP is an α -amylase substrate. The absorbance of G3-CNP cleavage product 2-chloro-4-nitrophenol is measured at 405 nm, which can be used to detect enzyme activity^[1].

In Vitro

G3-CNP (50 μ L; 10 min) is lysed by α -amylase at 37°C to produce 2-chloro-4-nitrophenol^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ninomiya K, et al. Suppressive Effect of the α -Amylase Inhibitor Albumin from Buckwheat (*Fagopyrum esculentum* Moench) on Postprandial Hyperglycaemia. *Nutrients*. 2018 Oct 15;10(10):1503.

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

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