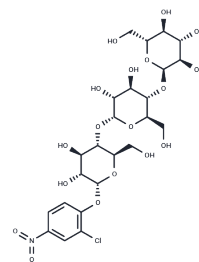


G3-CNP

Chemical Properties

CAS No. :	118291-90-0
Formula:	C ₂₄ H ₃₄ ClNO ₁₈
Molecular Weight:	659.98
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	G3-CNP is a substrate for α -amylase and the hydrolysis product is 2-chloro-4-nitrophenol, which can be used to determine the enzyme activity by colorimetric assay at 405 nm.
Targets(IC50)	Amylase

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (15.15 mM), Sonication is recommended. H ₂ O: 200 mg/mL (303.04 mM), Sonication is recommended. DMF: 20 mg/mL (30.3 mM), Sonication is recommended. Ethanol: 1 mg/mL (1.52 mM), Sonication is recommended. DMSO: 20 mg/mL (30.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5152 mL	7.576 mL	15.152 mL
5 mM	0.303 mL	1.5152 mL	3.0304 mL
10 mM	0.1515 mL	0.7576 mL	1.5152 mL
50 mM	0.0303 mL	0.1515 mL	0.303 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ninomiya K, Ina S, Hamada A, Yamaguchi Y, Akao M, Shinmachi F, Kumagai H, Kumagai H. Suppressive Effect of the α -Amylase Inhibitor Albumin from Buckwheat (*Fagopyrum esculentum* Moench) on Postprandial Hyperglycaemia. *Nutrients*. 2018 Oct 15;10(10):1503.

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