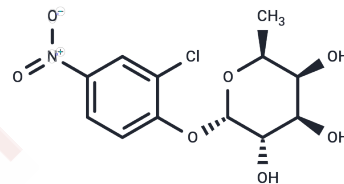


CNP-AFU

Chemical Properties

CAS No. :	157843-41-9
Formula:	C ₁₂ H ₁₄ ClNO ₇
Molecular Weight:	319.7
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CNP-AFU (2-Chloro-4-nitrophenyl α -L-fucopyranoside) serves as the substrate for alpha-L-fucosidase.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 40 mg/mL (125.12 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	3.1279 mL	15.6397 mL	31.2793 mL
5 mM	0.6256 mL	3.1279 mL	6.2559 mL
10 mM	0.3128 mL	1.564 mL	3.1279 mL
50 mM	0.0626 mL	0.3128 mL	0.6256 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

Gu G, et al. Synthesis of 2-chloro-4-nitrophenyl alpha-L-fucopyranoside: a substrate for alpha-L-fucosidase (AFU). Carbohydr Res. 2003 Jul 22;338(15):1603-7.

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