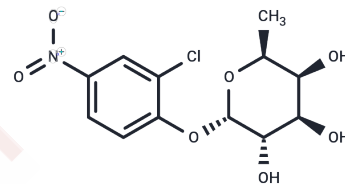


## CNP-AFU

## Chemical Properties

CAS No. :	157843-41-9
Formula:	C <sub>12</sub> H <sub>14</sub> ClNO <sub>7</sub>
Molecular Weight:	319.7
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## 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.

## 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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