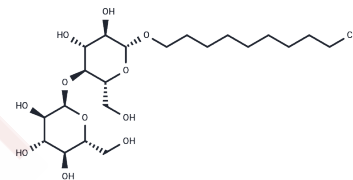


n-Decyl- β -D-Maltopyranoside

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 82494-09-5 |
| Formula: | C ₂₂ H ₄₂ O ₁₁ |
| Molecular Weight: | 482.56 |
| Storage: | Store at low temperature 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 | n-Decyl- β -D-Maltopyranoside is a mild non-ionic detergent that preserves the natural conformation of membrane proteins, making it suitable for dissolving and extracting membrane proteins. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: 60 mg/mL (124.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0723 mL | 10.3614 mL | 20.7228 mL |
| 5 mM | 0.4145 mL | 2.0723 mL | 4.1446 mL |
| 10 mM | 0.2072 mL | 1.0361 mL | 2.0723 mL |
| 50 mM | 0.0414 mL | 0.2072 mL | 0.4145 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

Marušić M, et al. The Caco-2 cell culture model enables sensitive detection of enhanced protein permeability in the presence of N-decyl- β -d-maltopyranoside. N Biotechnol. 2013 Jun 25;30(5):507-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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