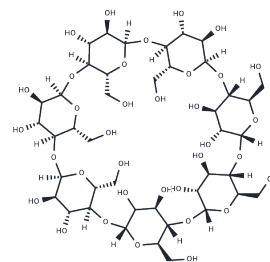


## β-Cyclodextrin

### Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 7585-39-9   |
| Formula:          | C42H70O35   |
| Molecular Weight: | 1134.98   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



### Biological Description

|               |  |
|---------------|--|
| Description   | β-Cyclodextrin (NSC 269471) is a member of the class of compounds known as oligosaccharides. |
| Targets(IC50) | Influenza Virus  |

### Solubility Information

|            |  |
|------------|--|
| Solubility | H2O: 9.71 mg/mL (8.56 mM),Sonication is recommended.<br>DMSO: 55 mg/mL (48.46 mM),Sonication is recommended.<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.8811 mL | 4.4054 mL | 8.8107 mL |
| 5 mM  | 0.1762 mL | 0.8811 mL | 1.7621 mL |
| 10 mM | 0.0881 mL | 0.4405 mL | 0.8811 mL |
| 50 mM | 0.0176 mL | 0.0881 mL | 0.1762 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

Vecsernyés M, et al. Arch Med Res. 2014 Nov;45(8):711-29.

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