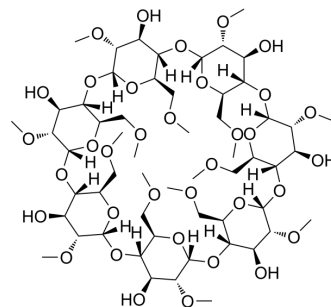


## DM- $\beta$ -CD

<b>Cat. No.:</b>	HY-137234		
<b>CAS No.:</b>	51166-71-3		
<b>Molecular Formula:</b>	C <sub>56</sub> H <sub>98</sub> O <sub>35</sub>		
<b>Molecular Weight:</b>	1331.36		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 500 mg/mL (375.56 mM; Need ultrasonic)  
 H<sub>2</sub>O : 125 mg/mL (93.89 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.7511 mL	3.7556 mL	7.5111 mL
	5 mM	0.1502 mL	0.7511 mL	1.5022 mL
	10 mM	0.0751 mL	0.3756 mL	0.7511 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

DM- $\beta$ -CD (2,6-Di-O-methyl- $\beta$ -cyclodextrin) is a cyclic molecule consisting of seven glucose units modified with two methyl groups at the 2- and 6-positions. It is usually used as a solubilizer and carrier for poorly soluble drugs in pharmaceutical preparations. Furthermore, it has applications in analytical chemistry, food science, and environmental remediation due to its ability to form clathrates with various guest molecules, such as aromatic compounds, pesticides, and heavy metals.

#### In Vitro

2,6-Di-O-methyl- $\beta$ -cyclodextrin is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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