

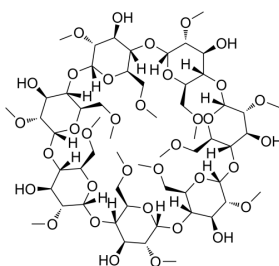
## DM- $\beta$ -CD

Cat. No.: HY-137234  
 CAS No.: 51166-71-3  
 Batch No.: 288235  
 Chemical Name:  $\beta$ -Cyclodextrin, 2A,2B,2C,2D,2E,2F,2G,6A,6B,6C,6D,6E,6F,6G-tetradeca-O-methyl-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{56}H_{98}O_{35}$   
 Molecular Weight: 1331.36  
 Storage: Powder -20°C 3 years  
 4°C 2 years  
 In solvent -80°C 6 months  
 -20°C 1 month

#### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 Assay: 99.9%  
 Specific rotation: 164°  
 Water solution pH: 6.1  
 Clarity experiment: QuConform  
 Light-absorbing impurities: Conform  
 Average degree of substitution: 12.5  
 Loss on Drying: 3.1%  
 Beta cyclodextrin: 0.07%  
 Residue on Ignition: 0.05%  
 Sulfate: <0.2%  
 Chloride: <0.2%  
 The total aerobic microbial count: <10 cfu/g  
 The total combined molds and yeasts count: <10 cfu/g  
 Escherichia coli: Not detected  
 Conclusion: The product has been tested and complies with the given specifications.

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

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