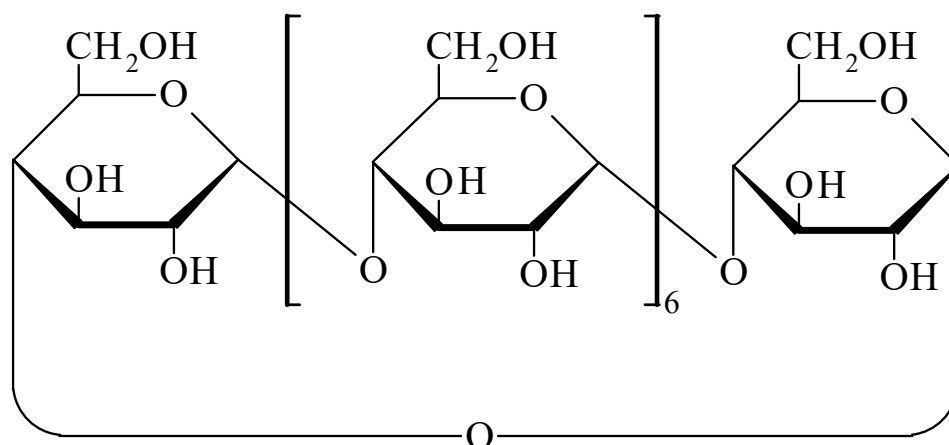




>>Entry Name:  $\gamma$ -Cyclodextrin, 9Cl, 8Cl

Synonym(s): Cyclooctakis-(1 $\rightarrow$ 4)-( $\alpha$ -D-glucopyranose). Cyclooctaamylose. Cyclomaltooctaose



CAS Registry Number: 17465-86-0

Molecular Formula:  $C_{48}H_{80}O_{40}$

Molecular Weight: 1297.136

Accurate Mass: 1296.4226

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

Biological Source: Obt. from the breakdown of starch by the action of *Bacillus macerans*

Optical Rotation:  $[\alpha]_D +177.4$  (c, 1.0 in  $H_2O$ )

Other Data: Forms cryst. complexes with propanol and iodine

Fluka: 28708

Sigma: C4892

>>Derivative: Hexadeca-Ac

Molecular Formula:  $C_{80}H_{112}O_{56}$

Molecular Weight: 1969.731

Accurate Mass: 1968.59164

Percentage Composition: C 48.78%; H 5.73%; O 45.49%

Optical Rotation:  $[\alpha]_D +138.5$  (c, 1.0 in  $CHCl_3$ )

>>Derivative: 2,2',2'',2''',2''',2''''',2''''''-Octaepimer

Synonym(s):  $\gamma$ -Cyclomannin. Cyclooctakis-(1 $\rightarrow$ 4)-( $\alpha$ -D-mannopyranose)

CAS Registry Number: 130322-69-9

Molecular Formula:  $C_{48}H_{80}O_{40}$

Molecular Weight: 1297.136

Accurate Mass: 1296.4226

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

Optical Rotation:  $[\alpha]_D^{23} +27.2$  (c, 0.3 in  $H_2O$ )

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