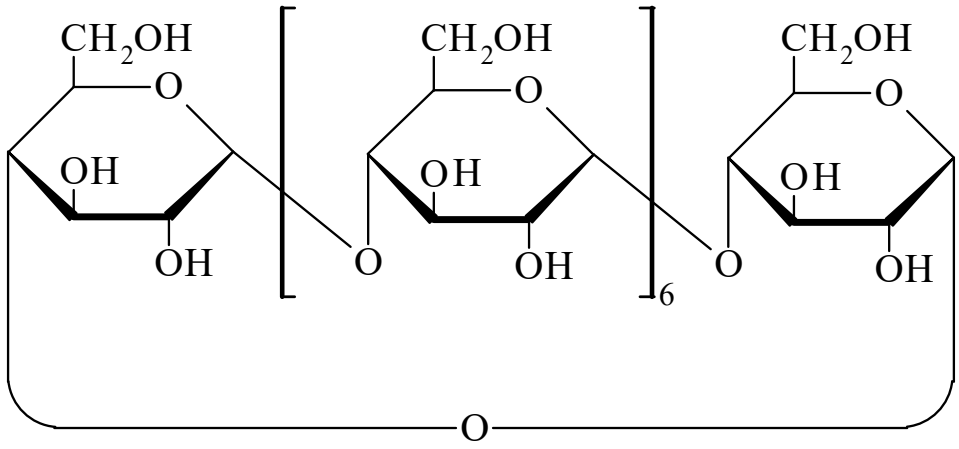
>>**Entry Name:** γ-**Cyclodextrin,** 9Cl, 8Cl

Synonym(s): Cyclooctakis-(1→4)-(α-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⁗",2⁗‴-Octaepimer
Synonym(s): γ-Cyclomannin. Cyclooctakis-(1→4)-(α-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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