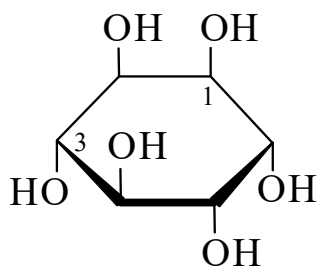
>>**Entry Name: *chiro*-Inositol,** 9CI, 8CI
ENTRY UNDER REVIEW
Synonym(s): (1α,2α,3β,4α,5β,6β)-Cyclohexanehexol. 1,2,4/3,5,6-Inositol. Chiroinositol



D-*form*

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>**Variant:** D-form
Synonym(s): *d*-Inositol. Matezodambose

CAS Registry Number: 643-12-9

Molecular Formula: $C_6H_{12}O_6$
Molecular Weight: 180.157
Accurate Mass: 180.06339
Percentage Composition: C 40.00%; H 6.71%; O 53.28%
Biological Source: Component of Kasugamycin HGS22-G
Melting Point: Mp 248°
Optical Rotation: $[\alpha]_D$ +65 (H_2O)
Aldrich: 46804-5
Sigma: I1517

>>**Derivative:** 2-*O*-α-D-Galactopyranoside
Synonym(s): 2-*O*-α-D-Galactopyranosyl-D-*chiro*-inositol. **Fagopyritol B_1**

CAS Registry Number: 79391-04-1

Molecular Formula: $C_{12}H_{22}O_{11}$
Molecular Weight: 342.299
Accurate Mass: 342.116215
Percentage Composition: C 42.11%; H 6.48%; O 51.42%
Biological Source: Isol. from soya beans (*Glycine max*) and jojoba beans (*Simmondsia chinensis*) and also from *Fagopyrum esculentum*
Physical Description: Powder
Melting Point: Mp 165-170 dec.°
Optical Rotation: $[\alpha]_D$ +170. $[\alpha]_D^{24}$+130 (c, 0.5 in H_2O)

>>**Derivative:** 2-*O*-[α-D-Galactopyranosyl-(1→6)-α-D-galactopyranoside]
Synonym(s): Fagopyritol B_2

CAS Registry Number: 116261-02-0

Molecular Formula: $C_{18}H_{32}O_{16}$
Molecular Weight: 504.441
Accurate Mass: 504.16904
Percentage Composition: C 42.86%; H 6.39%; O 50.75%
Biological Source: Constit. of *Beta vulgaris*, *Fagopyrum esculentum* and *Lupinus albus*
Optical Rotation: $[\alpha]_D^{20}$+177.2

>>**Derivative:** 2-*O*-[α-D-Galactopyranosyl-(1→6)-α-D-galactopyranosyl-(1→6)-α-D-galactopyranoside]
Synonym(s): Fagopyritol B_3

CAS Registry Number: 208708-11-6