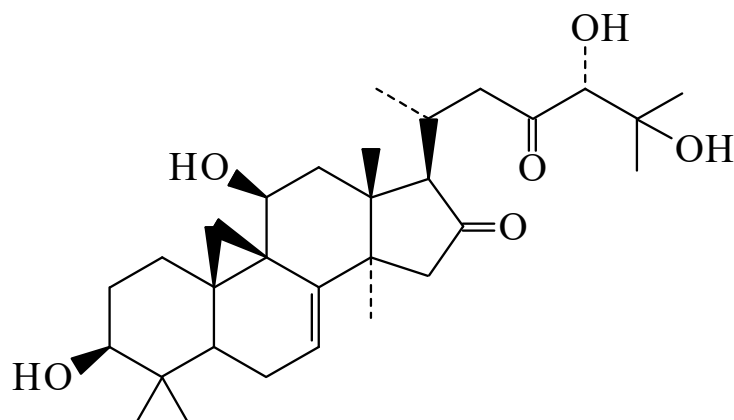




>>Entry Name: 3,11,24,25-Tetrahydroxycycloart-7-ene-16,23-dione

Synonym(s): 3,11,24,25-Tetrahydroxy-9,19-cyclolanost-7-ene-16,23-dione



Molecular Formula: C₃₀H₄₆O₆

Molecular Weight: 502.69

Accurate Mass: 502.32944

Percentage Composition: C 71.68%; H 9.22%; O 19.10%

>>Variant: (3β,11β,24*R*)-form

Synonym(s): Cimicidol

CAS Registry Number: 167960-08-9

Molecular Formula: C₃₀H₄₆O₆

Molecular Weight: 502.69

Accurate Mass: 502.32944

Percentage Composition: C 71.68%; H 9.22%; O 19.10%

Physical Description: Needles (as mono-Na salt)

Melting Point: Mp 190-192° (Na salt)

>>Derivative: 3-*O*-β-D-Xylopyranoside

Synonym(s): Cimicifugoside H2. Cimicidol 3-*O*-β-xyloside

CAS Registry Number: 161097-77-4

Molecular Formula: C₃₅H₅₄O₁₀

Molecular Weight: 634.806

Accurate Mass: 634.3717

Percentage Composition: C 66.22%; H 8.57%; O 25.20%

Biological Source: Constit. of *Cimicifuga foetida* and *Cimicifuga simplex* (Ranunculaceae)

Physical Description: Needles

Melting Point: Mp 227-229°

Optical Rotation: [α]_D -38.8 (c, 1 in MeOH)

References:

Koeda, M. *et al.*, *Chem. Pharm. Bull.*, 1995, **43**, 771; 1475, (*isol*, *pmr*, *cmr*)

Kadota, S. *et al.*, *Tetrahedron*, 1995, **51**, 1143, (*isol*, *pmr*, *cmr*)