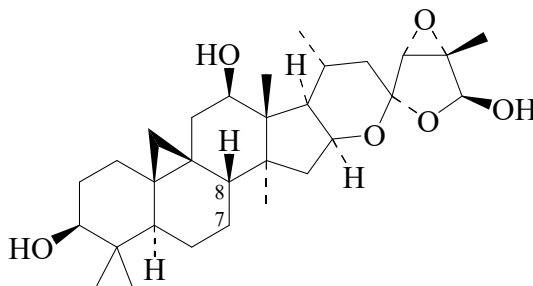




>>Entry Name: Acteol

Synonym(s): 16,23:23,26:24,25-Triepoxycycloartane-3,12,26-triol. 16,23:23,26:24,25-Triepoxy-9,19-cyclolanostane-3,12,26-triol



CAS Registry Number: 27208-74-8

Related CAS Registry Numbers(s): 18642-59-6

Molecular Formula: C₃₀H₄₆O₆

Molecular Weight: 502.69

Accurate Mass: 502.32944

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

>>Derivative: 3-*O*- α -L-Arabinopyranoside, 12-Ac

Synonym(s): Acetylacetol 3-*O*-arabinoside

Molecular Formula: C₃₇H₅₆O₁₁

Molecular Weight: 676.843

Accurate Mass: 676.382265

Percentage Composition: C 65.66%; H 8.34%; O 26.00%

Biological Source: Constit. of *Cimicifuga foetida*

Physical Description: Powder

Optical Rotation: $[\alpha]_D -66.06$ (c, 0.3 in CHCl₃/MeOH)

>>Derivative: 3-*O*- β -D-Xylopyranoside, 12-Ac

Synonym(s): Actein

CAS Registry Number: 18642-44-9

Molecular Formula: C₃₇H₅₆O₁₁

Molecular Weight: 676.843

Accurate Mass: 676.382265

Percentage Composition: C 65.66%; H 8.34%; O 26.00%

Biological Source: Isol. from *Actea racemosa*, *Cimicifuga racemosa* and *Cimicifuga spicata*

Use/Importance: Shows antihypertensive props.

Melting Point: Mp 246-250°

Optical Rotation: $[\alpha]_D -75.7$

Calculated Log P Data: Log P 2.49 (uncertain value) (calc)

>>Derivative: 7,8-Didehydro, 12-Ac, 3-*O*- β -D-xylopyranoside

Synonym(s): Cimicifugoside

CAS Registry Number: 66176-93-0

Molecular Formula: C₃₇H₅₄O₁₁

Molecular Weight: 674.827

Accurate Mass: 674.366615

Percentage Composition: C 65.85%; H 8.07%; O 26.08%

Biological Source: Constit. of *Cimicifuga simplex*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 237-238°