



CAS Registry Number: 30489-27-1

Molecular Formula: C₃₀H₄₆O₅

Molecular Weight: 486.69

Accurate Mass: 486.334525

Percentage Composition: C 74.04%; H 9.53%; O 16.44%

Biological Source: Constit. of *Alisma orientale*

Physical Description: Needles (Me₂CO)

Melting Point: Mp 224-226°

Optical Rotation: [α]_D +94.7 (c, 0.2 in CHCl₃)

>>Derivative: 16-Oxo, 23-Ac

CAS Registry Number: 26575-93-9

Molecular Formula: C₃₂H₄₈O₆

Molecular Weight: 528.728

Accurate Mass: 528.34509

Percentage Composition: C 72.69%; H 9.15%; O 18.16%

Biological Source: Constit. of *Alismatis rhizoma*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 232-233°

Optical Rotation: [α]_D +103 (CHCl₃)

>>Derivative: 13 β ,17 β -Epoxide

Synonym(s): 13 β ,17 β -Epoxyalisol B

Molecular Formula: C₃₀H₄₈O₅

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Alisma orientale*

Physical Description: Needles (MeOH)

Melting Point: Mp 169-172°

Optical Rotation: [α]_D +110.2 (c, 0.69 in CHCl₃)

>>Derivative: 13 β ,17 β -Epoxide, Ac

see Alisol D, [KSF72-V](#)

References:

Murata, T. *et al.*, *Chem. Pharm. Bull.*, 1970, **18**, 1347; 1369, (*isol, struct*)

Pei-Wu, G. *et al.*, *Phytochemistry*, 1988, **27**, 1161, (*derivs*)

Yamaguchi, K. *et al.*, *Acta Cryst. C*, 1994, **50**, 736, (*cryst struct*)

Nakajima, Y. *et al.*, *Phytochemistry*, 1994, **36**, 119, (*isol, pmr, cmr*)