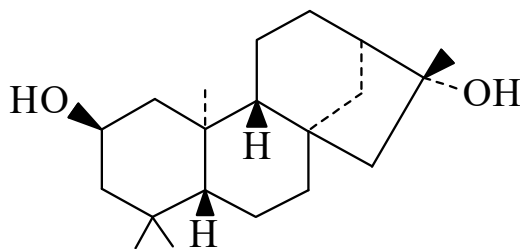




>>Entry Name: 2,16-Kauranediol



Molecular Formula: C₂₀H₃₄O₂

Molecular Weight: 306.487

Accurate Mass: 306.25588

Percentage Composition: C 78.38%; H 11.18%; O 10.44%

>>Variant: (*ent*-2 α ,16 β *OH*)-form

CAS Registry Number: 34302-37-9

Molecular Formula: C₂₀H₃₄O₂

Molecular Weight: 306.487

Accurate Mass: 306.25588

Percentage Composition: C 78.38%; H 11.18%; O 10.44%

Biological Source: Constit. of *Pteris cretica*, *Pteris angustipinna*, *Pteris dactylina* and *Pteris multifida*

Physical Description: Cryst.

Melting Point: Mp 215-218°

Optical Rotation: $[\alpha]_D^{25} +14.4$ (c, 0.25 in Py)

UV: [neutral] $\lambda_{\max}$ 208 () (MeOH) (Berdy)

>>Derivative: 2-*O*- β -D-Glucopyranoside

Synonym(s): Creticoside B

CAS Registry Number: 34336-01-1

Molecular Formula: C₂₆H₄₄O₇

Molecular Weight: 468.629

Accurate Mass: 468.308705

Percentage Composition: C 66.64%; H 9.46%; O 23.90%

Biological Source: Constit. of *Pteris cretica*, *Pteris angustipinna*, *Pteris dactylina*, *Pteris multifida* and *Lindasaea javanensis*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 258-261°

Optical Rotation: $[\alpha]_D^{18} -36.3$ (c, 0.15 in Py)

>>Variant: (*ent*-2 β ,16 α *OH*)-form

Molecular Formula: C₂₀H₃₄O₂

Molecular Weight: 306.487

Accurate Mass: 306.25588

Percentage Composition: C 78.38%; H 11.18%; O 10.44%

Biological Source: Constit. of *Pteris multifida*

Physical Description: Amorph. powder

Melting Point: Mp 254.2-256.7°

Optical Rotation: $[\alpha]_D^{20} -46$ (c, 1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 208 (log ϵ 0.87) (MeOH)

References:

Chen, C.-M. *et al.*, *Chem. Pharm. Bull.*, 1971, **19**, 1495

Murakami, T. *et al.*, *Yakugaku Zasshi*, 1985, **105**, 640

Woerdenbag, H.J. *et al.*, *Z. Naturforsch., C*, 1996, **51**, 635, (*isol*, *pmr*, *cmr*)