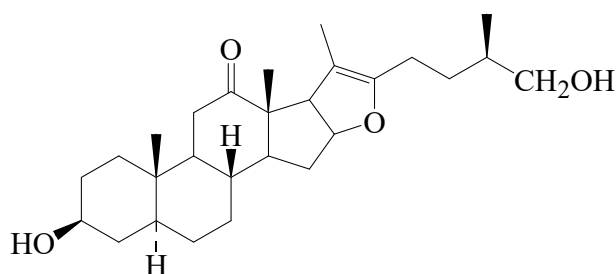




>>Entry Name: 3,26-Dihydroxyfurost-20(22)-en-12-one



Molecular Formula: C₂₇H₄₂O₄

Molecular Weight: 430.626

Accurate Mass: 430.30831

Percentage Composition: C 75.31%; H 9.83%; O 14.86%

>>Variant: (3 β ,5 α ,25*R*)-form

Molecular Formula: C₂₇H₄₂O₄

Molecular Weight: 430.626

Accurate Mass: 430.30831

Percentage Composition: C 75.31%; H 9.83%; O 14.86%

>>Derivative: 3-*O*-[β -D-Galactopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside], 26-*O*- β -D-glucopyranoside

Synonym(s): Terrestrosin K

CAS Registry Number: 193605-07-1

Molecular Formula: C₅₁H₈₂O₂₄

Molecular Weight: 1079.194

Accurate Mass: 1078.51961

Percentage Composition: C 56.76%; H 7.66%; O 35.58%

Biological Source: Constit. of *Tribulus terrestris*

Physical Description: Powder

Optical Rotation: [α]_D²⁵ +3.1 (c, 1.3 in Py)

>>Variant: (3 β ,24 ξ)-form

Molecular Formula: C₂₇H₄₂O₄

Molecular Weight: 430.626

Accurate Mass: 430.30831

Percentage Composition: C 75.31%; H 9.83%; O 14.86%

>>Derivative: 3-*O*-[β -D-Xylopyranosyl-(1 $\rightarrow$ 3)-[β -D-galactopyranosyl-(1 $\rightarrow$ 2)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranoside], 26-*O*- β -D-glucopyranoside

CAS Registry Number: 180050-94-6

Molecular Formula: C₅₆H₉₀O₂₈

Molecular Weight: 1211.31

Accurate Mass: 1210.56187

Percentage Composition: C 55.53%; H 7.49%; O 36.98%

Biological Source: Constit. of *Tribulus terrestris*

Physical Description: Amorph. powder (EtOH)

Melting Point: Mp 218-220°

Optical Rotation: [α]_D +3.82 (c, 0.3 in Py)

References:

Wu, G. *et al.*, *Phytochemistry*, 1996, **42**, 1677-1681, (*isol*, *pmr*, *cmr*)

Wang, Y. *et al.*, *Phytochemistry*, 1997, **45**, 811-817, (*isol*, *pmr*, *cmr*)