



Melting Point: Mp 199-201°. Mp 209-211°
Optical Rotation: $[\alpha]_{\text{D}} -84$ (c, 0.7 in CHCl_3)

>>Derivative: Ac

Molecular Formula: $\text{C}_{29}\text{H}_{46}\text{O}_4$
Molecular Weight: 458.68
Accurate Mass: 458.33961
Percentage Composition: C 75.94%; H 10.11%; O 13.95%
Physical Description: Cryst. ($\text{Et}_2\text{O}/\text{MeOH}$)
Melting Point: Mp 195-197°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -46$

>>Variant: (3 β ,5 α ,25*R*)-form

Synonym(s): Tigogenin, 22-Isoallospirostan-3 β -ol

CAS Registry Number: 77-60-1

Molecular Formula: $\text{C}_{27}\text{H}_{44}\text{O}_3$
Molecular Weight: 416.643
Accurate Mass: 416.329045
Percentage Composition: C 77.84%; H 10.64%; O 11.52%
Biological Source: Widely distributed genin, e.g. from *Yucca* spp., *Digitalis* spp, *Furcraea* spp. found in the Agavaceae, Dioscoreaceae, Solanaceae, Scrophulariaceae, Liliaceae
Physical Description: Cryst. + H_2O (EtOH aq.)
Melting Point: Mp 205-206°
Optical Rotation: $[\alpha]_{\text{D}}^{18} -67.2$ (CHCl_3)
Rare Chemicals Library: S57440-6
Sigma: T2405

>>Derivative: 3-*O*- β -D-Glucopyranoside
Synonym(s): Melongoside A

CAS Registry Number: 35068-81-6

Molecular Formula: $\text{C}_{33}\text{H}_{54}\text{O}_8$
Molecular Weight: 578.785
Accurate Mass: 578.38187
Percentage Composition: C 68.48%; H 9.40%; O 22.11%
Biological Source: Constit. of *Solanum melongena*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 267-270°

>>Derivative: 3-*O*- β -D-Galactopyranoside
Synonym(s): Capsicoside A₂

CAS Registry Number: 35959-24-1

Molecular Formula: $\text{C}_{33}\text{H}_{54}\text{O}_8$
Molecular Weight: 578.785
Accurate Mass: 578.38187
Percentage Composition: C 68.48%; H 9.40%; O 22.11%
Biological Source: Constit. of *Capsicum annuum*

>>Derivative: 3-*O*-[β -D-Galactopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranoside]
Synonym(s): Yuccoside B

CAS Registry Number: 41679-10-1

Molecular Formula: $\text{C}_{39}\text{H}_{64}\text{O}_{13}$
Molecular Weight: 740.927
Accurate Mass: 740.434695
Percentage Composition: C 63.22%; H 8.71%; O 28.07%
Biological Source: Constit. of *Yucca filamentosa*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 285-286°