



>>Derivative: 19-Aldehyde, 16 α ,17-epoxide, 3-angeloyl
Synonym(s): *ent*-3 β -Angeloyloxy-16 β ,17-epoxy-19-kauranal

CAS Registry Number: 74635-57-7

Molecular Formula: C₂₅H₃₆O₄
Molecular Weight: 400.557
Accurate Mass: 400.26136
Percentage Composition: C 74.96%; H 9.06%; O 15.98%
Biological Source: Isol. from *Smallanthus uvedalia*
Physical Description: Oil
Optical Rotation: $[\alpha]_D^{24}$ -105.2 (c, 0.26 in CHCl₃)

>>Derivative: 19-Carboxylic acid
Synonym(s): *ent*-3 β -Hydroxy-16-kauren-19-oic acid

CAS Registry Number: 66556-91-0

Molecular Formula: C₂₀H₃₀O₃
Molecular Weight: 318.455
Accurate Mass: 318.219495
Percentage Composition: C 75.43%; H 9.49%; O 15.07%
Biological Source: Constit. of *Stachys lanata*, *Bedfordia salicina* and others
Physical Description: Cryst.
Melting Point: Mp 207-210°

>>Derivative: 19-Carboxylic acid, 3-Ac

CAS Registry Number: 70224-43-0

Molecular Formula: C₂₂H₃₂O₄
Molecular Weight: 360.492
Accurate Mass: 360.23006
Percentage Composition: C 73.30%; H 8.95%; O 17.75%
Biological Source: Constit. of *Stachys lanata* and *Helichrysum* spp.
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 163°. Mp 255-260°
Other Data: Apparent discrepancy in melting points not explained

>>Derivative: 19-Carboxylic acid, 3-angeloyl

CAS Registry Number: 74635-61-3

Molecular Formula: C₂₅H₃₆O₄
Molecular Weight: 400.557
Accurate Mass: 400.26136
Percentage Composition: C 74.96%; H 9.06%; O 15.98%
Biological Source: Isol. from *Wedelia trilobata* and *Smallanthus uvedalia*
Physical Description: Oil (as Me ester)
Optical Rotation: $[\alpha]_D^{24}$ -69 (c, 3.1 in CHCl₃)

>>Derivative: 19-Carboxylic acid, 3-tigloyl

CAS Registry Number: 79406-09-0

Molecular Formula: C₂₅H₃₆O₄
Molecular Weight: 400.557
Accurate Mass: 400.26136
Percentage Composition: C 74.96%; H 9.06%; O 15.98%
Biological Source: From *Wedelia trilobata*, *Wedelia grandiflora* and *Wedelia prostrata*
Physical Description: Cryst.
Melting Point: Mp 153-155°
Optical Rotation: $[\alpha]_D$ -74 (c, 0.2 in CHCl₃)

>>Derivative: 19-Carboxylic acid, 3-(3-methyl-2-butenoyl)

CAS Registry Number: 74635-62-4