Accurate Mass: 512.38656
Percentage Composition: C 77.30%; H 10.22%; O 12.48%
Biological Source: Isol. from *Callicarpa arborea, Loranthus falcatus* and other plants
Melting Point: Mp 218-220°
Optical Rotation: $[\alpha]_D$ +69 ($CHCl_3$)

>>**Derivative:** 3-Hexadecanoyl

CAS Registry Number: 19833-14-8

Molecular Formula: $C_{46}H_{78}O_4$
Molecular Weight: 695.12
Accurate Mass: 694.59001
Percentage Composition: C 79.48%; H 11.31%; O 9.21%
Biological Source: Isol. from *Madhuca longifolia*
Melting Point: Mp 145°

>>**Derivative:** 3-*O*-(3-Carboxypropanoyl)
Synonym(s): Succinoyloleanolic acid

CAS Registry Number: 4847-30-7

Molecular Formula: $C_{34}H_{52}O_6$
Molecular Weight: 556.781
Accurate Mass: 556.37639
Percentage Composition: C 73.35%; H 9.41%; O 17.24%
Use/Importance: Solublised deriv. of oleanolic acid showing increased bioavailability. Has been used as antiinflammatory and antihepatitis drug in East Asia
Melting Point: Mp 260-265°

>>**Derivative:** 3-*O*-(4-Hydroxycinnamoyl)(*E*-)
Synonym(s): *E*-Coumaroyloleanolic acid

CAS Registry Number: 151334-06-4

Molecular Formula: $C_{39}H_{54}O_5$
Molecular Weight: 602.853
Accurate Mass: 602.397125
Percentage Composition: C 77.70%; H 9.03%; O 13.27%
Biological Source: Constit. of *Securinega tinctoria* and *Casuarina equisetifolia*
Physical Description: Cryst. ($CHCl_3$)
Melting Point: Mp 141-141°. Mp 292-296 dec.°
Optical Rotation: $[\alpha]_D$ +104 (c, 0.2 in dioxan)
UV: [neutral] λ_{max} 225 (ε 23700); 310 (ε 22400) (dioxan)

>>**Derivative:** 3-*O*-(4-Hydroxycinnamoyl)(*Z*-)
Synonym(s): *Z*-Coumaroyloleanolic acid

CAS Registry Number: 243667-92-7

Molecular Formula: $C_{39}H_{54}O_5$
Molecular Weight: 602.853
Accurate Mass: 602.397125
Percentage Composition: C 77.70%; H 9.03%; O 13.27%
Biological Source: Constit. of *Casuarina equisetifolia*
Physical Description: Cryst.
Melting Point: Mp 245-247°
Optical Rotation: $[\alpha]_D^{20}$+89.5 (c, 0.2 in Me_2CO)
UV: [neutral] λ_{max} 225 (ε 12900); 308 (ε 18100) (dioxan)