



Molecular Formula: C₃₄H₅₂O₇
Molecular Weight: 572.781
Accurate Mass: 572.371305
Percentage Composition: C 71.30%; H 9.15%; O 19.55%
Physical Description: Cryst. (C₆H₆/hexane)
Melting Point: Mp 188°

>> **Derivative:** 3-*O*-(4-Hydroxy-3-methoxy-*E*-cinnamoyl)
Synonym(s): 3-*O-trans*-Feruloyleuscaphic acid

Molecular Formula: C₄₀H₅₆O₈
Molecular Weight: 664.878
Accurate Mass: 664.39752
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Biological Source: Constit. of *Eriobotrya japonica*
Physical Description: Amorph. solid
Melting Point: Mp 185-190 dec.°
UV: [neutral] λ_{max} 290 (); 320 () (MeOH)

>> **Derivative:** 2,3-*O*-Isopropylidene

CAS Registry Number: 220880-90-0

Molecular Formula: C₃₃H₅₂O₅
Molecular Weight: 528.771
Accurate Mass: 528.381475
Percentage Composition: C 74.96%; H 9.91%; O 15.13%
Biological Source: Constit. of *Rubus xanthocarpus*
Physical Description: Amorph. solid

>> **Variant:** (2α,3β,19α)-form
Synonym(s): Tormentic acid

CAS Registry Number: 13850-16-3

Molecular Formula: C₃₀H₄₈O₅
Molecular Weight: 488.706
Accurate Mass: 488.350175
Percentage Composition: C 73.73%; H 9.90%; O 16.37%
Biological Source: Aglycone from *Potentilla tormentilla*
Physical Description: Cryst.
Melting Point: Mp 273°
Optical Rotation: [α]_D −20 (Py)

>> **Derivative:** 28-*O*-β-D-Glucopyranosyl ester
Synonym(s): Rosamultin. Tormentic acid ester glucoside

CAS Registry Number: 88515-58-6

Molecular Formula: C₃₆H₅₈O₁₀
Molecular Weight: 650.848
Accurate Mass: 650.403
Percentage Composition: C 66.44%; H 8.98%; O 24.58%
Biological Source: Constit. of *Rosa multiflora* and *Aphloia theiformis*
Physical Description: Amorph. powder