



Accurate Mass: 566.345485
Percentage Composition: C 65.70%; H 8.89%; O 25.41%
Biological Source: Constit. of *Penstemon venustus*
Optical Rotation: $[\alpha]_D^{23} +57$ (c, 0.2 in MeOH)

>>**Derivative:** 22-Benzoyl
Synonym(s): Ecdysterone 22-*O*-benzoate

CAS Registry Number: 103654-38-2

Molecular Formula: C₃₄H₄₈O₈
Molecular Weight: 584.748
Accurate Mass: 584.33492
Percentage Composition: C 69.84%; H 8.27%; O 21.89%
Biological Source: Constit. of *Silene scabrifolia*
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 202-205°
Optical Rotation: $[\alpha]_D^{20} +45$ (c, 1.1 in EtOH)

>>**Derivative:** 2-Cinnamoyl
Synonym(s): β-Ecdysone 2-cinnamate

CAS Registry Number: 38147-15-8

Molecular Formula: C₃₆H₅₀O₈
Molecular Weight: 610.786
Accurate Mass: 610.35057
Percentage Composition: C 70.79%; H 8.25%; O 20.96%
Biological Source: From the bark of *Dacrydium intermedium*
Melting Point: Mp 254-256°

>>**Derivative:** 3-(4-Hydroxycinnamoyl)
Synonym(s): β-Ecdysone 3-*p*-coumarate

CAS Registry Number: 83462-53-7

Molecular Formula: C₃₆H₅₀O₉
Molecular Weight: 626.786
Accurate Mass: 626.345485
Percentage Composition: C 68.99%; H 8.04%; O 22.97%
Biological Source: From *Dacrydium intermedium*
Physical Description: Cryst.
Melting Point: Mp 265-267°

>>**Derivative:** 2,3-*O*-Isopropylidene
Synonym(s): 20-Hydroxyecdysone 2,3-acetonide

CAS Registry Number: 113866-76-5

Molecular Formula: C₃₀H₄₈O₇
Molecular Weight: 520.705
Accurate Mass: 520.340005
Percentage Composition: C 69.20%; H 9.29%; O 21.51%
Biological Source: Constit. of *Leuzea carthamoides*

>>**Derivative:** 20,22-*O*-Isopropylidene
Synonym(s): 20-Hydroxyecdysone 20,22-acetonide

CAS Registry Number: 22798-96-5

Molecular Formula: C₃₀H₄₈O₇
Molecular Weight: 520.705
Accurate Mass: 520.340005
Percentage Composition: C 69.20%; H 9.29%; O 21.51%
Biological Source: Constit. of *Leuzea carthamoides*