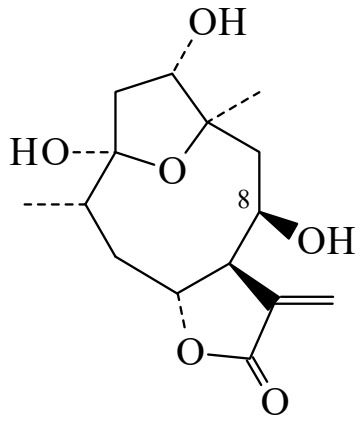
>>**Entry Name: 3,10-Epoxy-1,3,8-trihydroxy-11(13)-germacren-12,6-olide**



Molecular Formula: $C_{15}H_{22}O_6$
Molecular Weight: 298.335
Accurate Mass: 298.14164
Percentage Composition: C 60.39%; H 7.43%; O 32.18%

>>**Variant:** (1α,3α,4β*H*,6α,8β,10β)-form

Molecular Formula: $C_{15}H_{22}O_6$
Molecular Weight: 298.335
Accurate Mass: 298.14164
Percentage Composition: C 60.39%; H 7.43%; O 32.18%

>>**Derivative:** 8-(2-Methylpropanoyl)
Synonym(s): Tagitinin A

CAS Registry Number: 59979-61-2

Molecular Formula: $C_{19}H_{28}O_7$
Molecular Weight: 368.426
Accurate Mass: 368.183505
Percentage Composition: C 61.94%; H 7.66%; O 30.40%
Biological Source: Isol. from *Tithonia diversifolia*
Use/Importance: Shows insecticidal props.
Physical Description: Cryst. ($CHCl_3$/petrol)
Melting Point: Mp 168-170°
Optical Rotation: $[\alpha]_D$ –154 (c, 1 in EtOH)

>>**Derivative:** 8-(2-Methylpropanoyl), 1-Ac
Synonym(s): 1-Acetyltagitinin A

CAS Registry Number: 60547-63-9

Molecular Formula: $C_{21}H_{30}O_8$
Molecular Weight: 410.463
Accurate Mass: 410.19407
Percentage Composition: C 61.45%; H 7.37%; O 31.18%
Biological Source: Constit. of *Tithonia diversifolia*
Physical Description: Needles
Melting Point: Mp 181-182°
Optical Rotation: $[\alpha]_D^{24}$ –85.9 (c, 0.2 in $CHCl_3$)
UV: [neutral] λ_{max} 212 (log ε 3.97) (MeOH)

>>**Derivative:** 8-(2-Methylbutanoyl)
Synonym(s): Viguilenin

CAS Registry Number: 76627-97-9

Molecular Formula: $C_{20}H_{30}O_7$
Molecular Weight: 382.453
Accurate Mass: 382.199155
Percentage Composition: C 62.81%; H 7.91%; O 29.28%
Biological Source: Constit. of *Viguiera linearis*
Physical Description: Cryst. (Et_2O/2-propanol)
Melting Point: Mp 168-169°
Optical Rotation: [α]