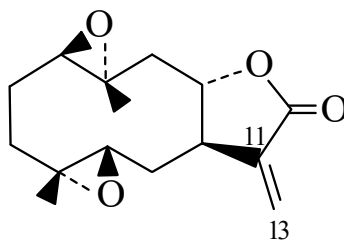




>>Entry Name: 1,10:4,5-Diepoxy-11(13)-germacren-12,8-olide



Molecular Formula: C₁₅H₂₀O₄

Molecular Weight: 264.321

Accurate Mass: 264.13616

Percentage Composition: C 68.16%; H 7.63%; O 24.21%

>>Variant: (1 α ,4 α ,5 β ,8 α ,10 α)-form

Synonym(s): 11,13-Dehydroeriolin

CAS Registry Number: 87441-73-4

Molecular Formula: C₁₅H₂₀O₄

Molecular Weight: 264.321

Accurate Mass: 264.13616

Percentage Composition: C 68.16%; H 7.63%; O 24.21%

Biological Source: Constit. of *Schkuhria* spp.

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 173-174°

Optical Rotation: [α]_D -36 (CHCl₃)

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O, hexane

UV: [neutral] $\lambda_{\max}$ 214 (ϵ 17600) (MeOH) (Berdy)

>>Derivative: 11 α ,13-Dihydro

Synonym(s): 1,10:4,5-Diepoxy-12,8-germacranolide. **Ivaxillin**

CAS Registry Number: 11014-50-9

Molecular Formula: C₁₅H₂₂O₄

Molecular Weight: 266.336

Accurate Mass: 266.15181

Percentage Composition: C 67.65%; H 8.33%; O 24.03%

Biological Source: Constit. of *Iva axillaris*

Physical Description: Cryst. (CHCl₃/hexane)

Melting Point: Mp 181-182°

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O, hexane

UV: [neutral] $\lambda_{\max}$ (MeOH) (Berdy)

>>Derivative: 11 ξ ,13 ξ -Dihydro

Synonym(s): Eriolin. Isoivaxillin

CAS Registry Number: 27542-21-8

Molecular Formula: C₁₅H₂₂O₄

Molecular Weight: 266.336

Accurate Mass: 266.15181

Percentage Composition: C 67.65%; H 8.33%; O 24.03%

Biological Source: Constit. of *Eriophyllum confertiflorum*

Physical Description: Cryst.

Melting Point: Mp 238-240°

Optical Rotation: [α]_D -42

References:

Herz, W. *et al.*, *J.O.C.*, 1966, **31**, 3232; 1982, **47**, 3991, (*Ivaxillin*)

Torrance, S.J. *et al.*, *Phytochemistry*, 1969, **8**, 2381, (*isol*)

Romo de Vivar, A. *et al.*, *Phytochemistry*, 1982, **21**, 2905, (*isol*)

Calderón, J.S. *et al.*, *Phytochemistry*, 1987, **26**, 1747, (*cryst struct*)