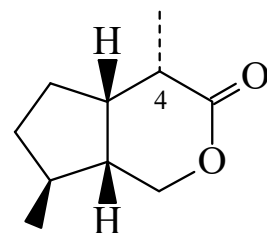




>>Entry Name: Iridomyrmecin



CAS Registry Number: 485-43-8

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Constit. of *Iridomyrmex humilis*

Use/Importance: Insecticidal ant secretion

Physical Description: Cryst. (petrol)

Melting Point: Mp 60-61°

Optical Rotation: [α]_D +210 (EtOH)

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

UV: [neutral] λ_{max} 210 (ϵ 138) (MeOH) (Berdy)

Other Data: Matatabilactone was a mixt. of Iridomyrmecin and Isoiridomyrmecin

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ivn) 1000 mg/kg

>>Derivative: 4-Epimer

Synonym(s): Isoiridomyrmecin. Iridolactone

CAS Registry Number: 573-94-4

Biological Source: From *Iridomyrmex* spp.

Physical Description: Prisms (petrol)

Melting Point: Mp 57.5-58°

Optical Rotation: [α]_D²⁸ -56 (c, 1.09 in CCl₄)

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

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ivn) 1000 mg/kg

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