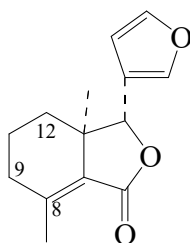




>>Entry Name: Fraxinellone



CAS Registry Number: 28808-62-0

Molecular Formula: C₁₄H₁₆O₃

Molecular Weight: 232.279

Accurate Mass: 232.109945

Percentage Composition: C 72.39%; H 6.94%; O 20.66%

General Statement: Degraded terpenoid lacking rings A and B. Terpenoid numbering shown

Biological Source: Constit. of *Dictamnus albus*

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 116°

Optical Rotation: $[\alpha]_D^{22}$ -44 (EtOH)

>>Derivative: Δ^8 -Isomer

Synonym(s): Isofraxinellone

CAS Registry Number: 92481-63-5

Molecular Formula: C₁₄H₁₆O₃

Molecular Weight: 232.279

Accurate Mass: 232.109945

Percentage Composition: C 72.39%; H 6.94%; O 20.66%

Biological Source: Constit. of *Fagaropsis glabra*

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{20}$ +19.6 (c, 17 in CHCl₃)

>>Derivative: 12 α -Acetoxy

Synonym(s): 12 α -Acetoxyfraxinellone

CAS Registry Number: 220210-99-1

Molecular Formula: C₁₆H₁₈O₅

Molecular Weight: 290.315

Accurate Mass: 290.115425

Percentage Composition: C 66.20%; H 6.25%; O 27.56%

Biological Source: Constit. of *Melia azedarach*

Physical Description: Amorph. powder

Melting Point: Mp 102-104°

UV: [neutral] $\lambda_{\max}$ 207 (ϵ 3300) (MeOH)

References:

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Nakatani, M. *et al.*, *Phytochemistry*, 1998, **49**, 1773-1776, (*12 α -Acetoxyfraxinellone*)
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