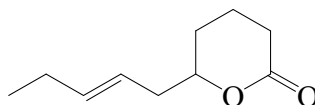




>>Entry Name: Tetrahydro-6-(2-pentenyl)-2*H*-pyran-2-one, 9CI

ENTRY UNDER REVIEW

Synonym(s): 7-Decen-5-olide. 5-Hydroxy-7-decenoic acid lactone. **Jasmine lactone**‡. 2-Pentenyltetrahydro- α -pyrone. δ -Jasmolactone



CAS Registry Number: 34686-71-0

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

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

>>Variant: (-)-(Z)-form

CAS Registry Number: 25524-95-2

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

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

Biological Source: Odorous constit. present in essence of jasmine (*Jasminum grandiflorum*)

Boiling Point: Bp_{0.3} 95-96.5°

Optical Rotation: [α]_D¹⁶ -30.4 (neat)

Refractive Index: n_D^{14.9} 1.4773

>>Derivative: *p*-Bromobenzyliothiuronium salt

Melting Point: Mp 120-120.5°

>>Variant: ($\pm$)-(Z)-form

CAS Registry Number: 66972-29-0

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

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

Boiling Point: Bp_{0.001} 70-73°

Refractive Index: n_D^{22.5} 1.4751

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