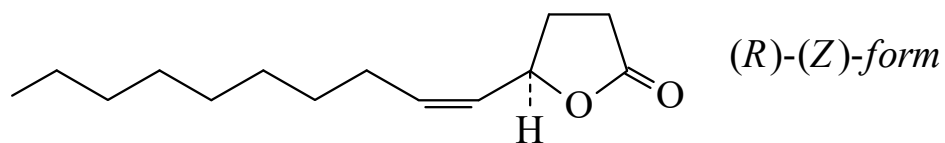




>>Entry Name: 5-(1-Decenyl)dihydro-2(3*H*)-furanone, 9Cl

Synonym(s): 5-Tetradecen-4-olide



Molecular Formula: C₁₄H₂₄O₂

Molecular Weight: 224.342

Accurate Mass: 224.17763

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

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

Synonym(s): Japonilure

CAS Registry Number: 64726-91-6

Molecular Formula: C₁₄H₂₄O₂

Molecular Weight: 224.342

Accurate Mass: 224.17763

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Biological Source: Isol. from the Japanese beetle *Popillia japonica*

Biological Use/Importance: Sex pheromone

Optical Rotation: [α]_D²⁶ −69.6 (c, 1.0 in CHCl₃)

>>Variant: (±)-(*Z*)-form

CAS Registry Number: 72151-71-4

Molecular Formula: C₁₄H₂₄O₂

Molecular Weight: 224.342

Accurate Mass: 224.17763

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Boiling Point: Bp_{0.1} 110°

Other Data: Shows no biol. activity owing to the strong inhibition caused by the (*S*)-enantiomer

References:

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