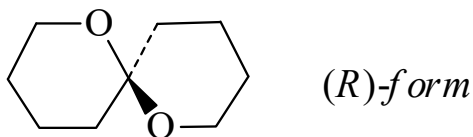




>>Entry Name: 1,7-Dioxaspiro[5.5]undecane, 9CI

Synonym(s): Olean



CAS Registry Number: 180-84-7

Type of Compound Code(s): VA3350 VF8000

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Biological Source: Major component of the sex pheromone of the olive fly, *Dacus oleae*

Aldrich: 30130-2

Sigma: D7151

>>Variant: (R)-form

CAS Registry Number: 90839-16-0

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{21} -121.6$ (c, 0.1 in pentane)

>>Variant: (S)-form

CAS Registry Number: 90839-15-9

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{23} +109.3$ (c, 0.28 in pentane)

>>Variant: (±)-form

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Physical Description: Liq.

Boiling Point: Bp₁₃ 77-78°

Other Data: The nat. prod. is racemic; the (R) enantiomer shows greater activity toward male flies and the (S) towards females

References:

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