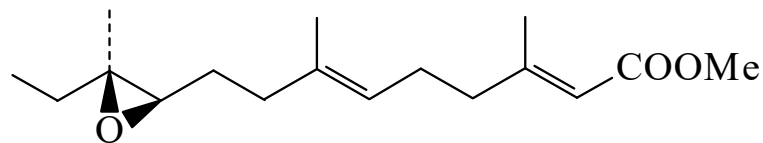




>>Entry Name: Juvenile hormone II

Synonym(s): Methyl 9-(3-ethyl-3-methyloxiranyl)-3,7-dimethyl-2,6-nonadienoate



CAS Registry Number: 34218-61-6

Related CAS Registry Numbers(s): 21213-74-1 26151-33-7 29472-49-9 53777-14-3 66007-36-1 66007-37-2 66007-38-3 66007-39-4 66007-40-7 66007-41-8

Molecular Formula: C₁₇H₂₈O₃

Molecular Weight: 280.406

Accurate Mass: 280.203845

Percentage Composition: C 72.82%; H 10.06%; O 17.12%

Biological Source: Constit. of numerous Lepidoptera

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{24} +17.6$ (c, 0.59 in MeOH)

Sigma: J0875

References:

Schooley, D.A. *et al.*, *Biosynth. Metab. Mode Action Invertebr. Horm.*, 1984, 373, (rev)

Mori, K. *et al.*, *Tetrahedron*, 1988, **44**, 343, (synth, bibl)

Sen, S.E. *et al.*, *J.O.C.*, 1997, **62**, 3529-3536, (biosynth)

Okochi, T. *et al.*, *Eur. J. Org. Chem.*, 2001, 2145-2150, (synth)