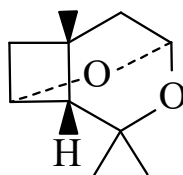




>>Entry Name: Lineatin

Synonym(s): 3,3,7-Trimethyl-2,9-dioxatricyclo[3.3.1.0^{4,7}]nonane, 9CI



Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

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

>>Variant: (+)-form

CAS Registry Number: 65035-34-9

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

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

Biological Source: Pheromone from the bark beetle *Trypodendron lineatum*

Physical Description: Oil

Optical Rotation: [α]_D²²+36 (pentane)

>>Variant: (±)-form

CAS Registry Number: 71899-16-6

Molecular Formula: C₁₀H₁₆O₂

Molecular Weight: 168.235

Accurate Mass: 168.11503

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

Physical Description: Oil

Boiling Point: Bp₂₀ 110°

References:

Mori, K. *et al.*, *Tetrahedron*, 1980, **36**, 2197; 1983, **39**, 1735, (*synth, cryst struct, abs config*)

McKay, W.R. *et al.*, *Can. J. Chem.*, 1982, **60**, 872, (*synth, spectra*)

White, J.D. *et al.*, *J.A.C.S.*, 1982, **104**, 5486, (*synth*)

Skattebøl, L. *et al.*, *Acta Chem. Scand., Ser. B*, 1985, **39**, 291, (*synth*)

Johnston, B.D. *et al.*, *J.O.C.*, 1985, **50**, 114, (*synth, bibl*)

Kandil, A.A. *et al.*, *J.O.C.*, 1985, **50**, 5649, (*synth*)

Ailjancic-Solaja, I. *et al.*, *Helv. Chim. Acta*, 1987, **70**, 1302, (*synth*)

Kametani, T. *et al.*, *J.C.S. Perkin 1*, 1988, 2433, (*synth*)

Mori, K. *et al.*, *Annalen*, 1991, 341, (*synth*)

Confalonieri, G. *et al.*, *Tetrahedron*, 1994, **50**, 3235, (*synth*)