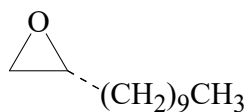




>>Entry Name: Decyloxirane, 9CI

Synonym(s): 1,2-Epoxydodecane, 8CI. Nedox 1200. Vikolox 12



(R)-form

CAS Registry Number: 2855-19-8

Related CAS Registry Numbers(s): 128900-21-0 130404-09-0

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Aldrich: 26020-7

Fluka: 44155

>>Variant: (R)-form

CAS Registry Number: 109856-85-1

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Optical Rotation: $[\alpha]_D^{24} +6.92$ (c, 1.04 in CHCl₃) (>95% ee)

>>Variant: (±)-form

CAS Registry Number: 128900-21-0

Molecular Formula: C₁₂H₂₄O

Molecular Weight: 184.321

Accurate Mass: 184.182715

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Use/Importance: Lubricant

Boiling Point: Bp₁₀ 118-121°. Bp₄ 99-101°

Refractive Index: n_D²⁰ 1.4360

Other Data: Undergoes anionic homopolym.

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