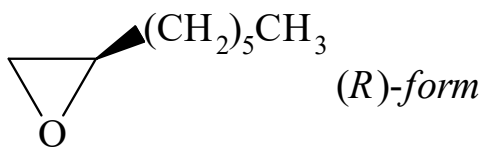




>>Entry Name: Hexyloxirane, 9CI

Synonym(s): 1,2-Epoxyoctane, 8CI. 1-Octene oxide



CAS Registry Number: 2984-50-1

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Aldrich: 26025-8

Fluka: 45364

>>Variant: (R)-form

CAS Registry Number: 77495-66-0

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Optical Rotation: $[\alpha]_{\text{D}}^{20} +14.5$ (c, 2.5 in EtOH)

Fluka: 45360

>>Variant: (S)-form

CAS Registry Number: 50418-68-3

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Optical Rotation: $[\alpha]_{\text{D}}^{20} -14.5$ (c, 2.5 in EtOH)

Fluka: 45366

>>Variant: (±)-form

CAS Registry Number: 77549-73-6

Molecular Formula: C₈H₁₆O

Molecular Weight: 128.214

Accurate Mass: 128.120115

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Physical Description: Liq.

Boiling Point: Bp₁₇ 62.5-63°

Density: d²⁰ 0.839

Refractive Index: n_D²⁰ 1.4200

References:

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