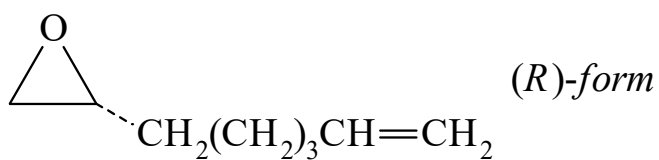




>>Entry Name: 5-Hexenyloxirane, 9CI

Synonym(s): 7,8-Epoxy-1-octene, 8CI



CAS Registry Number: 19600-63-6

Related CAS Registry Numbers(s): 126872-17-1

Molecular Formula: $\text{C}_8\text{H}_{14}\text{O}$

Molecular Weight: 126.198

Accurate Mass: 126.104465

Percentage Composition: C 76.14%; H 11.18%; O 12.68%

Aldrich: 26035-5

>>Variant: (*R*)-form

CAS Registry Number: 52485-73-1

Molecular Formula: $\text{C}_8\text{H}_{14}\text{O}$

Molecular Weight: 126.198

Accurate Mass: 126.104465

Percentage Composition: C 76.14%; H 11.18%; O 12.68%

Optical Rotation: $[\alpha]_{\text{D}}^{25} +12.2$ (80% op)

>>Variant: ($\pm$)-form

Molecular Formula: $\text{C}_8\text{H}_{14}\text{O}$

Molecular Weight: 126.198

Accurate Mass: 126.104465

Percentage Composition: C 76.14%; H 11.18%; O 12.68%

Boiling Point: Bp_{29} 76-78°

Refractive Index: n_{D}^{20} 1.4350

References:

May, S.W. *et al.*, *J.A.C.S.*, 1974, **96**, 4031, (*synth*)

Byrom, N.T. *et al.*, *J.C.S. Perkin 1*, 1984, 1643, (*synth*, *uv*, *pmr*, *ms*)