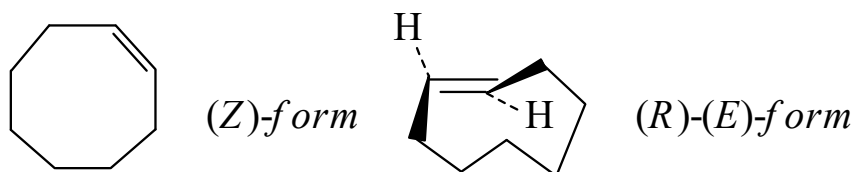




>>Entry Name: Cyclooctene, 9CI



CAS Registry Number: 931-88-4

Molecular Formula: C₈H₁₄

Molecular Weight: 110.199

Accurate Mass: 110.10955

Percentage Composition: C 87.20%; H 12.80%

Fluka: 29650

>>Variant: (R)-(E)-form

Molecular Formula: C₈H₁₄

Molecular Weight: 110.199

Accurate Mass: 110.10955

Percentage Composition: C 87.20%; H 12.80%

Optical Rotation: $[\alpha]_D^{25}$ -458 (neat)

>>Variant: (S)-(E)-form

Molecular Formula: C₈H₁₄

Molecular Weight: 110.199

Accurate Mass: 110.10955

Percentage Composition: C 87.20%; H 12.80%

Optical Rotation: $[\alpha]_D^{25}$ +440 (neat)

>>Variant: (±)-(E)-form

Extra CAS Registry Numbers(s): 931-89-5

Molecular Formula: C₈H₁₄

Molecular Weight: 110.199

Accurate Mass: 110.10955

Percentage Composition: C 87.20%; H 12.80%

Physical Description: Liq.

Boiling Point: Bp₇₈ 75°

Density: d₄²⁵ 0.846

Refractive Index: n_D²⁵ 1.4741

>>Variant: (Z)-form

CAS Registry Number: 931-87-3

Molecular Formula: C₈H₁₄

Molecular Weight: 110.199

Accurate Mass: 110.10955

Percentage Composition: C 87.20%; H 12.80%

Use/Importance: Ring-opening polym. gives polyoctenamer elastomers

Physical Description: Liq.

Melting Point: Fp -15.5°

Boiling Point: Bp₅₉ 65°

Density: d₄²⁵ 0.845

Refractive Index: n_D²⁵ 1.4684

Aldrich: 12548-2

References: