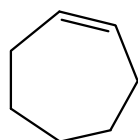




>>Entry Name: Cycloheptene

Synonym(s): Suberene‡



(Z)-form

CAS Registry Number: 628-92-2

Related CAS Registry Numbers(s): 128869-93-2

Molecular Formula: C₇H₁₂

Molecular Weight: 96.172

Accurate Mass: 96.0939

Percentage Composition: C 87.42%; H 12.58%

Hazard & Toxicity: Highly flammable, fl. p. -6°

Aldrich: 14172-0

>>Variant: (E)-form

CAS Registry Number: 45509-99-7

Molecular Formula: C₇H₁₂

Molecular Weight: 96.172

Accurate Mass: 96.0939

Percentage Composition: C 87.42%; H 12.58%

Source/Synthesis: Can be generated at low temp. and trapped

Other Data: Rapidly isom. to Z-form at r.t. UV implies substantial twist to double bond while pmr implies 180° dihedral angle of vinyl protons

>>Derivative: Diphenylisobenzofuran adduct

Melting Point: Mp 148-150°

>>Variant: (Z)-form

Molecular Formula: C₇H₁₂

Molecular Weight: 96.172

Accurate Mass: 96.0939

Percentage Composition: C 87.42%; H 12.58%

Boiling Point: Bp 115°

Density: d₄²⁰ 0.823

Refractive Index: n_D²⁰ 1.4552

>>Derivative: Diphenylisobenzofuran adduct

Melting Point: Mp 183-185°

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