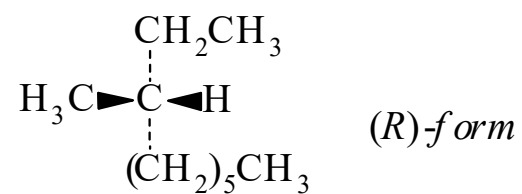




>>Entry Name: 3-Methylnonane, 9CI



CAS Registry Number: 5911-04-6

Molecular Formula: C₁₀H₂₂

Molecular Weight: 142.284

Accurate Mass: 142.17215

Percentage Composition: C 84.42%; H 15.58%

Fluka: 68080

Rare Chemicals Library: S41206-6

>>Variant: (R)-form

Molecular Formula: C₁₀H₂₂

Molecular Weight: 142.284

Accurate Mass: 142.17215

Percentage Composition: C 84.42%; H 15.58%

Boiling Point: Bp₁₆ 57°

Optical Rotation: [α]_D²⁵ -6.29

Density: d₄²⁵ 0.73

Refractive Index: n_D²⁴ 1.4113

>>Variant: (S)-form

CAS Registry Number: 53213-47-1

Molecular Formula: C₁₀H₂₂

Molecular Weight: 142.284

Accurate Mass: 142.17215

Percentage Composition: C 84.42%; H 15.58%

Boiling Point: Bp₃₉ 80°

Optical Rotation: [α]_D²⁵ +9.3

Density: d₄²⁵ 0.73

Refractive Index: n_D²⁴ 1.4110

>>Variant: (±)-form

Molecular Formula: C₁₀H₂₂

Molecular Weight: 142.284

Accurate Mass: 142.17215

Percentage Composition: C 84.42%; H 15.58%

Melting Point: Mp -84.9°

Boiling Point: Bp 167.8°

Refractive Index: n_D²⁰ 1.4126

References:

Levene, P.A. *et al.*, *J. Biol. Chem.*, 1922, **54**, 356, (*synth*)

Calingaert, G. *et al.*, *J.A.C.S.*, 1936, **58**, 635, (*synth*)

Letsinger, R.L. *et al.*, *J.A.C.S.*, 1950, **72**, 849, (*abs config*)