



>>Entry Name: 3-Penten-1-ol, 9CI

CAS Registry Number: 39161-19-8

H3CCH=CHCH2CH2OH

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

>>Variant: (*E*)-form

CAS Registry Number: 764-37-4

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Physical Description: Liq.

Boiling Point: Bp 136-137°. Bp₃₅ 45-46°

Refractive Index: n_D²⁰ 1.4340

>>Derivative: Ac

CAS Registry Number: 42125-35-9

Molecular Formula: C₇H₁₂O₂

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Physical Description: Liq.

Boiling Point: Bp₁₀₀ 92°

Other Data: Bp is for mixt. containing 10% (*Z*)-isomer

>>Derivative: 1-Naphthylurethane

Physical Description: Needles

Melting Point: Mp 93°

>>Derivative: 4-Nitrophenylurethane

Physical Description: Cryst. (CCl₄/petrol)

Melting Point: Mp 80°

>>Variant: (*Z*)-form

CAS Registry Number: 764-38-5

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Physical Description: Liq.

Boiling Point: Bp 139-141°

Refractive Index: n_D²⁰ 1.4387

>>Derivative: 4-Nitrophenylurethane

Physical Description: Cryst. (CCl₄/petrol)

Melting Point: Mp 76°

>>Derivative: 1-Naphthylurethane

Physical Description: Needles (petrol)

Melting Point: Mp 88-89°

References: