



Boiling Point: Bp₁₀ 105°

Hazard & Toxicity: LD₅₀ (rat, orl) 1620 mg/kg. LD₅₀ (rbt, skn) 1410 mg/kg

Aldrich: 22476-6

>>Derivative: *N*-Vinyl

Synonym(s): 1-Ethenylhexahydro-2*H*-azepin-2-one, 9CI

CAS Registry Number: 2235-00-9

Molecular Formula: C₈H₁₃NO

Molecular Weight: 139.197

Accurate Mass: 139.099714

Percentage Composition: C 69.03%; H 9.41%; N 10.06%; O 11.49%

Melting Point: Mp 35-38°

Boiling Point: Bp₂₁ 128°

Other Data: Undergoes radical polym. Q/e values for copolym., Q 0.14, e -1.18

Aldrich: 41546-4

>>Derivative: *N*-Octyl

CAS Registry Number: 59227-88-2

Molecular Formula: C₁₄H₂₇NO

Molecular Weight: 225.373

Accurate Mass: 225.209264

Percentage Composition: C 74.61%; H 12.07%; N 6.21%; O 7.10%

Boiling Point: Bp 300°. Bp_{2,5} 152-154°

Other: Hüls

>>Derivative: *N*-Dodecyl

>>Derivative: *N*-Bromo

CAS Registry Number: 2439-83-0

Molecular Formula: C₆H₁₀BrNO

Molecular Weight: 192.055

Accurate Mass: 191.014575

Percentage Composition: C 37.52%; H 5.25%; Br 41.60%; N 7.29%; O 8.33%

Use/Importance: Radical brominating agent not requiring peroxide initiation

Melting Point: Mp 64-66°

Aldrich: 25991-8

>>Derivative: Me enol ether

Synonym(s): 3,4,5,6-Tetrahydro-7-methoxy-2*H*-azepine, 9CI

CAS Registry Number: 2525-16-8

Molecular Formula: C₇H₁₃NO

Molecular Weight: 127.186

Accurate Mass: 127.099714

Percentage Composition: C 66.11%; H 10.30%; N 11.01%; O 12.58%

Physical Description: Liq.

Boiling Point: Bp₁₆ 48-50°. Bp₂₄ 65-67°

Aldrich: A9580-4

>>Derivative: Ph enol ether

Synonym(s): 3,4,5,6-Tetrahydro-7-phenoxy-2*H*-azepine, 9CI

CAS Registry Number: 29164-93-0

Molecular Formula: C₁₂H₁₅NO

Molecular Weight: 189.257

Accurate Mass: 189.115364

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

Physical Description: Liq.

Boiling Point: Bp_{0,2} 87-90°

References: