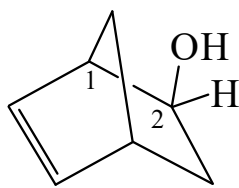




>>Entry Name: Bicyclo[2.2.1]hept-5-en-2-ol, 9Cl

Synonym(s): 5-Norbornen-2-ol, 8Cl. Dehydronorborneol



(1*R*,2*S*)-*form*

CAS Registry Number: 13080-90-5

Molecular Formula: C₇H₁₀O

Molecular Weight: 110.155

Accurate Mass: 110.073165

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Aldrich: N3210-5

>>Variant: (1*R*,2*S*)-form

Synonym(s): (+)-*exo*-form

CAS Registry Number: 71030-15-4

Molecular Formula: C₇H₁₀O

Molecular Weight: 110.155

Accurate Mass: 110.073165

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Melting Point: Mp 84-90°

Optical Rotation: $[\alpha]_D^{23} +6.2$ (c, 8.7 in CHCl₃)

>>Derivative: Ac

Molecular Formula: C₉H₁₂O₂

Molecular Weight: 152.193

Accurate Mass: 152.08373

Percentage Composition: C 71.03%; H 7.95%; O 21.03%

Boiling Point: Bp₁₄ 77-77.5°

Optical Rotation: $[\alpha]_D^{23} +26.7$ (neat)

>>Variant: (1*RS*,2*RS*)-form

Synonym(s): (±)-*endo*-form

CAS Registry Number: 694-97-3

Molecular Formula: C₇H₁₀O

Molecular Weight: 110.155

Accurate Mass: 110.073165

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Physical Description: Cryst. powder

Melting Point: Mp 142.5-145°

>>Derivative: Ac

Boiling Point: Bp₁₁ 67.5°

Refractive Index: n_D²⁰ 1.4693

>>Variant: (1*RS*,2*SR*)-form

Synonym(s): (±)-*exo*-form

Molecular Formula: C₇H₁₀O

Molecular Weight: 110.155

Accurate Mass: 110.073165

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Melting Point: Mp 97.5-99.2°

>>Derivative: Phenylurethane

Melting Point: Mp 152.4-153.6°

References: