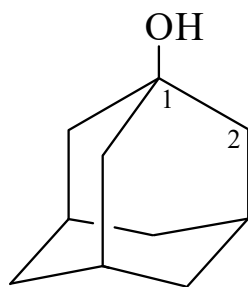




>>Entry Name: 1-Adamantanol

Synonym(s): Tricyclo[3.3.1.1^{3,7}]decan-1-ol, 9Cl. 1-Hydroxyadamantane



CAS Registry Number: 768-95-6

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Melting Point: Mp 288.5-290° (245-247°)

Other Data: Sublimes

Hazard & Toxicity: LD₅₀ (mus, ipr) 600 mg/kg

Aldrich: 13034-6

Fluka: 54191

Sigma: A7267

>>Derivative: Ac

CAS Registry Number: 22635-62-7

Molecular Formula: C₁₂H₁₈O₂

Molecular Weight: 194.273

Accurate Mass: 194.13068

Percentage Composition: C 74.19%; H 9.34%; O 16.47%

Melting Point: Mp 33-34°

Boiling Point: Bp_{16.5} 118° (lit. gives a pressure range)

>>Derivative: Benzoyl

CAS Registry Number: 38584-43-9

Molecular Formula: C₁₇H₂₀O₂

Molecular Weight: 256.344

Accurate Mass: 256.14633

Percentage Composition: C 79.65%; H 7.86%; O 12.48%

Physical Description: Needles (MeOH)

Melting Point: Mp 67°

>>Derivative: Me ether

Synonym(s): 1-Methoxyadamantane

CAS Registry Number: 6221-74-5

Molecular Formula: C₁₁H₁₈O

Molecular Weight: 166.263

Accurate Mass: 166.135765

Percentage Composition: C 79.47%; H 10.91%; O 9.62%

Melting Point: Mp 289-290°

Boiling Point: Bp_{1.4} 95-100°

>>Derivative: Et ether

Synonym(s): 1-Ethoxyadamantane

CAS Registry Number: 6221-75-6

Molecular Formula: C₁₂H₂₀O

Molecular Weight: 180.289

Accurate Mass: 180.151415

Percentage Composition: C 79.94%; H 11.18%; O 8.87%

Boiling Point: Bp 110-111°