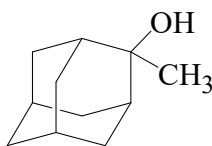




>>Entry Name: 2-Methyl-2-adamantanol, 8Cl

Synonym(s): 2-Methyltricyclo[3.3.1.1^{3,7}]decan-2-ol, 9Cl. 2-Hydroxy-2-methyladamantane



CAS Registry Number: 702-98-7

Molecular Formula: C₁₁H₁₈O

Molecular Weight: 166.263

Accurate Mass: 166.135765

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

Physical Description: Cryst. (petrol or MeOH aq.)

Melting Point: Mp 215-217° (210-212°)

Aldrich: 32310-1

Rare Chemicals Library: S1930-6

>>Derivative: Trifluoroacetyl

Molecular Formula: C₁₃H₁₇F₃O₂

Molecular Weight: 262.271

Accurate Mass: 262.118064

Percentage Composition: C 59.53%; H 6.53%; F 21.73%; O 12.20%

Physical Description: Liq.

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 38432-71-2

Physical Description: Cryst. (EtOH)

Melting Point: Mp 133.1-133.7°

References:

- Schleyer, P. von R. *et al.*, *J.A.C.S.*, 1961, **83**, 182, (*synth, deriv*)
Landa, S. *et al.*, *Coll. Czech. Chem. Comm.*, 1967, **32**, 570, (*synth*)
Whitlock, H.W. *et al.*, *J.A.C.S.*, 1968, **90**, 4929, (*synth*)
Hajek, M. *et al.*, *Tet. Lett.*, 1972, 4103, (*pmr*)
Loomes, D.J. *et al.*, *Tetrahedron*, 1977, **33**, 1149, (*cmr, conformn*)
Kirchen, R.P. *et al.*, *J.A.C.S.*, 1978, **100**, 1487, (*cmr*)
Vodicka, L. *et al.*, *J. Chromatogr.*, 1980, **198**, 457, (*hplc*)
Visser, T. *et al.*, *Spectrochim. Acta A*, 1982, **38**, 293, (*ir, conformn*)
Jawdosiuk, M. *et al.*, *Synth. Commun.*, 1983, **13**, 53, (*synth, ir, cmr*)
Krasutsky, P.A. *et al.*, *J.O.C.*, 2000, **65**, 3926-3933, (*trifluoroacetyl*)