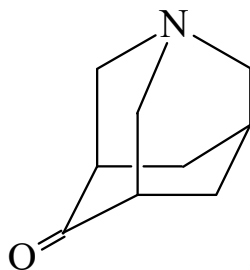




>>Entry Name: 1-Azatricyclo[3.3.1.1^{3,7}]decan-4-one

Synonym(s): 1-Aza-4-adamantanone



CAS Registry Number: 42949-24-6

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Boiling Point: Bp₉ 120-140°

>>Derivative: Oxime

CAS Registry Number: 111608-08-3

Molecular Formula: C₉H₁₄N₂O

Molecular Weight: 166.222

Accurate Mass: 166.110613

Percentage Composition: C 65.03%; H 8.49%; N 16.85%; O 9.63%

Physical Description: Powder

Melting Point: Mp 205-208°

References:

Speckamp, W.N. *et al.*, *Chem. Comm.*, 1970, 196; 197

Dekkers, A.W.J.D. *et al.*, *Tetrahedron*, 1973, **29**, 1691, (*synth*)

Black, R.M., *Synthesis*, 1981, 829, (*synth, spectra*)

Fernandez, M.J. *et al.*, *J. Het. Chem.*, 1989, **26**, 307, (*pmr, cmr*)

Becker, D.P. *et al.*, *Synthesis*, 1992, 1080, (*synth, oxime, ir, pmr, cmr*)