



**Accurate Mass:** 129.078979

**Percentage Composition:** C 55.80%; H 8.58%; N 10.84%; O 24.77%

**Melting Point:** Mp 115°

>>**Derivative:** Phenylhydrazone

**CAS Registry Number:** 19604-61-6

**Melting Point:** Mp 121°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

**Melting Point:** Mp 224-226 dec.°

>>**Derivative:** Semicarbazone

**Melting Point:** Mp 235-237°

>>**Derivative:** Me ether

**Synonym(s):** 2-Methoxycyclohexanone

**CAS Registry Number:** 87938-34-9

**Extra CAS Registry Numbers(s):** 7429-44-9

**Molecular Formula:** C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>

**Molecular Weight:** 128.171

**Percentage Composition:** C 65.60%; H 9.44%; O 24.97%

**Boiling Point:** Bp<sub>750</sub> 185°

**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4550

**Aldrich:** 22733-1

#### References:

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Bouveault, L. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1906, **142**, 1086-1089, (*synth*)  
Posternak, T. *et al.*, *Helv. Chim. Acta*, 1955, **38**, 205-212, (*S-form, synth*)  
Fetizon, M. *et al.*, *Chem. Comm.*, 1969, 1102, (*synth*)  
Rubottom, G.M. *et al.*, *Tet. Lett.*, 1974, 4319, (*synth*)  
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Harada, T. *et al.*, *J.O.C.*, 1989, **54**, 2599-2605, (*R-form, Ac*)  
Jackson, P.M. *et al.*, *J.C.S. Perkin 1*, 1996, 2037, (*S-form, Me ether, synth, pmr*)  
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