



>>Entry Name: 2-Methyl-1,3-cyclopentadiene

CAS Registry Number: 3727-31-9

Extra CAS Registry Numbers(s): 26519-91-5

Molecular Formula: C₆H₈

Molecular Weight: 80.129

Accurate Mass: 80.0626

Percentage Composition: C 89.94%; H 10.06%

Source/Synthesis: Mixt. of 1-methyl and 2-methyl isomers obt. by thermal cracking of commercial dimer

Physical Description: Liq.

Refractive Index: n_D²⁰ 1.4541

UV: [neutral] λ_{max} 244 () (hexane)

Other Data: Undergoes rapid dimerisation on heating. Forms equilib. mixt. with 1-Methyl-1,3-cyclopentadiene [FWO73-O](#) on standing

References:

Csicsery, S.M., *J.O.C.*, 1960, **25**, 518-521, (*synth, ir, uv*)

Mironov, V.A. *et al.*, *Tetrahedron*, 1963, **19**, 1939-1958, (*synth, uv*)