

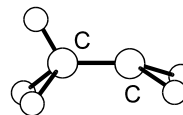
277
IR

 C_2H_5

Ethyl

 C_s
 $\text{H}_3\text{C}-\text{CH}_2\cdot$

r_0	$\text{\AA}^{\text{a})}$
C–C	1.492(2)



All CH bond lengths and angles for the methyl and methylene group in the ethyl radical were constrained to the best theoretical estimates [1]. The C–C distance is consistent with a partial (*ca.* 15%) double bond.

^{a)} Uncertainty reflects an estimate of the spread in the C–C values due to the C–H stretch and bend motion.

Davis, S., Uy, D., Nesbitt, D.J.: J. Chem. Phys. **112** (2000) 1823.

[1] Hase, W.L., Schlegel, H.B., Balbyshev, V., Page, M.: J. Phys. Chem. **100** (1996) 5354.