

1714
MW

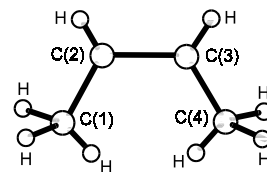
C₄H₈

(Z)-2-Butene

C_{2v}
H₃C–CH=CH–CH₃

| r_0 | Å | θ_0 | deg |
|-----------|---------------------|----------------|---------------------|
| C(2)=C(3) | 1.350 ^{a)} | H–C(1,4)–H | 109.5 ^{a)} |
| C(1,4)–H | 1.095 ^{a)} | C(3)=C(2)–H | 117.3 ^{a)} |
| C(2,3)–H | 1.090 ^{a)} | C(3)=C(2)–C(1) | 126.7(15) |
| C(1)–C(2) | 1.497(20) | | |

^{a)} Assumed.



Kondo, S., Sakurai, Y., Hirota, E., Morino, Y.: J. Mol. Spectrosc. **34** (1970) 231.

ED

| r_a | Å ^{a)} | θ_a | deg ^{a)} |
|-----------|-----------------|---------------------------------------|-------------------|
| C(2)=C(3) | 1.346(3) | C(3)=C(2)–C(1) | 125.4(4) |
| C(1)–C(2) | 1.506(2) | tilt (CH ₃) ^{b)} | 4.9(20) |

The nozzle temperature was 20(10) °C.

^{a)} Estimated standard errors.

^{b)} Away from the double bond.

Almenningen, A., Anfinson, I.M., Haaland, A.: Acta Chem. Scand. **24** (1970) 43.