

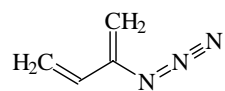
1608
ED

C₄H₅N₃

2-Azido-1,3-butadiene

C_s

| r_a | \AA^a | θ_α | deg ^{a)} |
|---------------|---------------------|---------------------|-------------------|
| C(1,4)=C | 1.350(4) | C(1)=C(2)–N(1) | 125.0(13) |
| C(2)–C(3) | 1.467(8) | C(1)=C(2)–C(3) | 123.7(11) |
| C(2)–N(1) | 1.434(7) | C(2)–C(3)=C(4) | 126.8(15) |
| N(1)=N(2) | 1.253(6) | C–N=N | 116.8(11) |
| N(2)≡N(3) | 1.143(4) | N=N≡N ^{c)} | 176.5(35) |
| C–H (average) | 1.110 ^{b)} | C–C–H (average) | 122.3(21) |

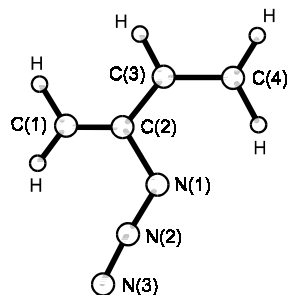


The N(1)=N(2) bond is *syn* to the C(1)=C(2) bond.
The nozzle temperature was 293 K.

^{a)} Twice the estimated standard errors including a systematic error.

^{b)} Assumed.

^{c)} The N(2)≡N(3) bond is *anti* to the C(2)–N(1) bond.



Schei, S.H., Priebe, H., Nielsen, C.J., Klæboe, P.: J. Mol. Struct. **147** (1986) 203.