

1556
ED

C₄H₄N₆

2,3-Diazido-1,3-butadiene

C_{2h}

r_a	\AA^a	θ_α	deg ^{a)}
C(1)=C(2)	1.348(18)	C(1)=C(2)-N(1)	124.1(17)
C(2)-C(3)	1.485(30)	C(1)=C(2)-C(3)	124.1(14)
C(2)-N(1)	1.432(24)	C-N=N	114.5(23)
N(1)=N(2)	1.242(12)	N=N≡N ^{c)}	166.7(56)
N(2)≡N(3)	1.141(9)	C-C-H (average)	119.5(36)
C-H (average)	1.110 ^{b)}		

The C-N=N angles are oriented *syn* to the adjacent C=C double bonds.

The nozzle temperature was 293 K.

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

^{b)} Assumed.

^{c)} Bent away from the adjacent C=C bond.

Nielsen, C.J., Klaeboe, P., Priebe, H., Schei, S.H.: J. Mol. Struct. **147** (1986) 217.

