

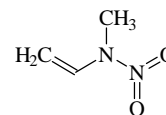
1261
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C₃H₆N₂O₂

***N*-Methyl-*N*-nitrovinylamine**

probably **C_s** (without methyl
hydrogens)

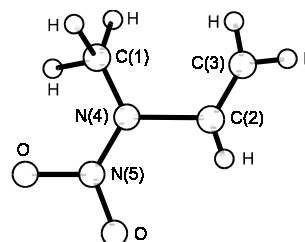
r_g	Å ^{a)}	θ ^{b)}	deg ^{a)}
N(4)–C(2)	1.432(15)	N(4)–C(2)=C(3)	119.3(15)
C(2)=C(3)	1.343(15)	N(5)–N(4)–C(1)	113.5(12)
N(4)–N(5)	1.385(8)	C(1)–N(4)–C(2)	124.1(10)
C(1)–N(4)	1.459(15)	O–N(5)–O	128.0(21)
N(5)–O	1.213(3)	C(2)=C(3)–H	127.2(60)
C(2,3)–H	1.10(3)	N(4)–C(2)–H	100.3(36)
C(1)–H	1.11(4)		



The molecule is planar except for the methyl hydrogens.
The preferred conformation is one with *s-trans* disposition
of the nitro and vinyl groups.
However, it was difficult to rule out *cis* and *gauche*
conformers by the least-squares refinements.
The nozzle temperature was 75 °C.

^{a)} Unidentified, possibly three times the estimated
standard errors.

^{b)} Not specified, probably θ_a .



Batyukhnova, O.G., Sadova, N.I., Vilkov, L.V., Ivshin, V.P., Pankrushev, Yu.A.: Zh. Strukt.
Khim. **25** No. 6 (1984) 47; Russ. J. Struct. Chem. (Engl. Transl.) **25** (1984) 878.