

1848
ED

C₄H₁₂N₂

Tetramethylhydrazine

C_{2h} (*anti*)
C₂ (*gauche*)
(CH₃)₂N–N(CH₃)₃

r_a	Å ^{a)}	θ_a	deg ^{a)}
C–H	1.096(4)	N–C–H	108.6(7)
C–N	1.463(1)	C–N–C	110.8(16)
N–N	1.401(4)	N–N–C	113.5(6)
		τ (<i>gauche</i>) ^{b)}	78.5(41)
		τ (<i>anti</i>) ^{b)}	180 ^{c)}

Diffraction intensities can be explained by a mixture of the *gauche* and *anti* conformers in a ratio of 70:30.

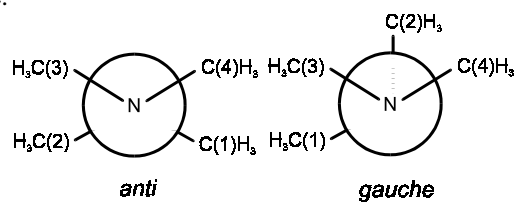
Staggered conformation was assumed for the methyl groups.

The measurements were made at room temperature.

^{a)} Three times the estimated standard errors.

^{b)} Torsional angle C(1)–N–N–C(3), $\tau = 0^\circ$
for the *syn* position.

^{c)} Assumed.



Naumov, V.A., Litvinov, O.A., Geise, H.J., Dillen, J.: J. Mol. Struct. **99** (1983) 303.