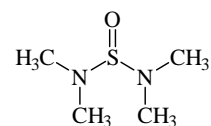


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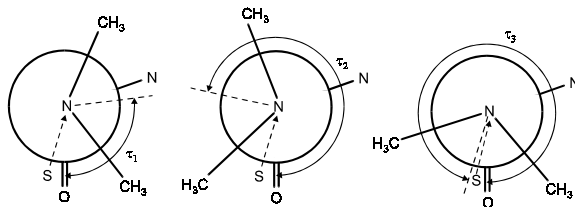
C₄H₁₂N₂OS

***N,N,N',N'*-Tetramethylsulfurous diamide**

$r^a)$	$\text{\AA}^b)$	$\theta^a)$	deg $^b)$
C–H	1.103(16)	H–C–N	110.7(32)
C–N	1.460(16)	S–N–C	116.1(10)
S=O	1.480(18)	C–N–C	113.9(30)
S–N	1.693(8)	N–S–N	96.9(24)
		O=S–N	105.5(16)



Three possible conformers about the N–S axis ($\tau_1 \approx 98^\circ$, $\tau_2 \approx 255^\circ$, $\tau_3 \approx 345^\circ$, see figure) were suggested, but no further information was obtained on the conformation or overall symmetry, C_s or C₂ (skeleton). The nozzle temperature was about 100 °C.



^{a)} Unidentified, possibly r_a and θ_a .

^{b)} Twice the estimated standard errors in the original data.

Hargittai, I., Vilkov, L.V.: Acta Chim. Acad. Sci. Hung. **63** (1970) 143.