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ED

C₄F₁₂N₂

Tetrakis(trifluoromethyl)hydrazine

C₂ assumed
(CF₃)₂N–N(CF₃)₂

r_g	Å ^a	θ ^b	deg ^a
N–N	1.402(20)	C–N–C	121.2(15)
C–N	1.433(10)	N–N–C ^c	119.0(15)
C–F	1.325(5)	F–C–F	108.2(5)
		η ^d	170.0(50)
		φ ^e	88.4(40)

CF₃ groups were assumed to have local C_{3v} symmetry with no tilt.

The temperature of the measurements was not given, probably room temperature.

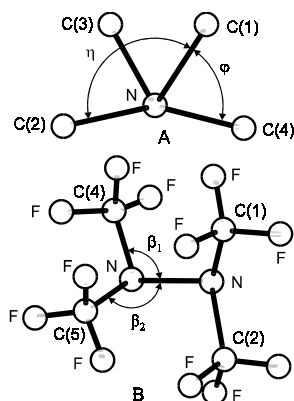
^a) Estimated standard errors.

^b) Unidentified, possibly θ_a .

^c) The fit gets worse if β_2 differs from β_1 by more than 2.5°;
for notation see figure B.

^d) For notation see figure A, viewed along N–N.

^e) C(1)–N–N–C(4) dihedral angle; see figure A, viewed along N–N.



Bartell, L.S., Higginbotham, H.K.: Inorg. Chem. **4** (1965) 1346.