

1126
ED

$C_3H_3N_3$

1,3,5-Triazine
s-Triazine

D_{3h}



r_g	\AA^a	θ_α^0	deg a
C–N	1.338(1)	C–N–C	113.9(1)
C–H	1.106(8)	N–C–N	126.1 b
		H–C–N	116.9 b

The nozzle temperature was 360 K.

a) Three times the estimated standard errors.

b) Dependent parameter.

Pyckhout, W., Callaerts, I., van Alsenoy, C., Geise, H.J., Almenningen, A., Seip, R.:
J. Mol. Struct. **147** (1986) 321.

Ra

r_0	\AA	θ_0	deg
C–N	1.3381	C–N–C	113.2
C–H	1.084 a)	N–C–N	126.8

Pure rotational Raman effect.

Structure was obtained from B_0 values determined from $C_3H_3N_3$ and $C_3D_3N_3$. In order to obtain the structure, it was assumed that $r_0(\text{C–H})$ is the same as found for benzene.

a) Assumed.

Lancaster, J.E., Stoicheff, B.P.: Can. J. Phys. **34** (1956) 1016.