

1321
ED, MW

C₃H₇N

Azetidine

C_s

r_z	Å ^{a)}	θ_z	deg ^{a)}
C–N	1.473(3)	N–C–C ^{b)}	88.2(4)
C–C	1.563(3)	H–C–H	108.8(8)
C–H	1.096(4)	N–C–H	114.7(6)
N–H	1.014(3)	C–N–H	114.3(4)
		C–N–C	91.2(4)
		C–C–C ^{b)}	84.6(4)
		ϕ ^{c)}	29.7(14)

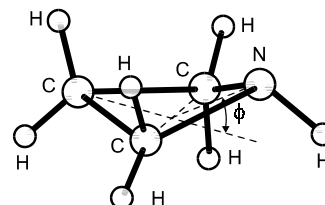


The amino hydrogen is in the equatorial position.
The nozzle temperature was 20 °C.

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

^{b)} Dependent parameter.

^{c)} Puckering angle.



Günther, H., Schrem, G., Oberhammer, H.: J. Mol. Spectrosc. **104** (1984) 152.

See also:

(ED) Mastryukov, V.S., Dorofeeva, O.V., Vilkov, L.V., Hargittai, I.: J. Mol. Struct.

34 (1976) 99.

(ED) Cremer, D., Dorofeeva, O.V., Mastryukov, V.S.: J. Mol. Struct. **75** (1981) 225.