

1552
ED, MW

C₄H₄N₂

Pyridazine

C_{2v}

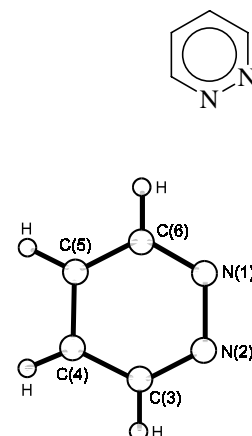
r_α	Å ^{a)}	θ_α	deg ^{a)}
N(1)–N(2)	1.332(7)	C(6)–N(1)–N(2)	119.3(1)
N(2)–C(3)	1.341(5)	C(4)–C(3)–H	124.6(19)
C(3)–C(4)	1.396(5)	$\Delta(\text{C–C–H})^\text{c)}$	–1.9(70)
$\Delta(\text{C–C})^\text{b)}$	–0.021(16)	C(3)–C(4)–H	122.7(58)
C(4)–C(5)	1.375(12)	N(2)–C(3)–C(4)	123.7(3)
C(4)–H	1.064(16)	C(3)–C(4)–C(5)	117.0(2)

The r_α and r_s structures were assumed to be identical.
The nozzle temperature was 75 °C.

^{a)} Estimated standard errors including a systematic error.

^{b)} $\Delta(\text{C–C}) = [\text{C}(4)–\text{C}(5)] - [\text{C}(3)–\text{C}(4)]$.

^{c)} $\Delta(\text{C–C–H}) = [\text{C}(3)–\text{C}(4)–\text{H}] - [\text{C}(4)–\text{C}(3)–\text{H}]$.



Almenningen, A., Bjørnsen, G., Ottersen, T., Seip, R. Strand, T.G.: Acta Chem. Scand. Ser. A **31** (1977) 63.

MW

r_s	Å
N(1)–N(2)	1.330(5)
C(4)–C(5)	1.375(5)

Atom	a_s [Å]	b_s [Å]
N(1,2)	1.1830	±0.6650
C(4,5)	–1.2277	±0.6877
C(3,6)	^{a)}	±1.3212

^{a)} Not given.

Werner, W., Dreizler, H., Rudolph, H.D.: Z. Naturforsch. **22a** (1967) 531.
See also: Sarachman, T.N.: Ph. D. Dissertation Harvard Univ. 1961.