

1256
MW

C₃H₆N₂

(Methylamino)acetonitrile

C₁
H₃C–NH–CH₂–C≡N

r_0	Å	θ_0	deg
C≡N	1.159 ^{a)}	C–C≡N	180.0 ^{a)}
N–C (CH ₃)	1.462 ^{a)}	N–C–H	109.47 ^{a)}
N–C (CH ₂)	1.476 ^{a)}	C–N–H	108.6 ^{a)}
C–C	1.461 ^{a)}	H–C–H	109.47 ^{a)}
C–H	1.094 ^{a)}	C–C–H	107.2 ^{a)}
N–H	1.014 ^{a)}	C–C–N	114.0(20)
		C–N–C	113.0(20)
		H–N–C–C ^{b)}	63(4)

Atom	$ a_s $ [Å]	$ b_s $ [Å]	$ c_s $ [Å]
H(methylamino) ^{c)}	1.093	0.401	1.357

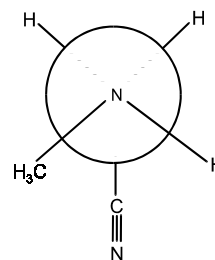
Atom	$ a_0 $ [Å]	$ b_0 $ [Å]	$ c_0 $ [Å]
H(methylamino) ^{d)}	1.140	0.373	1.340

^{a)} Assumed.

^{b)} Dihedral angle from *syn*.

^{c)} From rotational constants.

^{d)} From plausible structure.



Braathen, O.-A., Marstokk, K.-H., Møllendal, H.: Acta Chem. Scand., Ser. A **39** (1985) 605.