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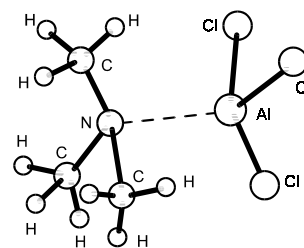
C₃H₉AlCl₃N

Trimethylamine – aluminum trichloride (1/1)

C_{3v} assumed
(CH₃)₃N · AlCl₃

$r^a)$	$\text{\AA}^b)$	$\theta^a)$	deg ^{b)}
C–H	1.121(25)	N–Al–Cl	104.9(7)
N–C	1.516(12)	Al–N–C	112.6(15)
Al–N	1.945(35)	N–C–H	109.8 ^{c)}
Al–Cl	1.121(4)		

AlCl₃ and NC₃ groups are staggered with respect to each other.
Barrier to internal rotation around the Al–N bond was estimated to be about 12 kJ mol^{–1} [1].



^{a)} Unidentified, possibly r_a and θ_a .

^{b)} Uncertainty estimates are unidentified, possibly estimated standard errors.

^{c)} Assumed.

Almenningen, A., Haaland, A., Haugen, T., Novak, D.P.: Acta Chem. Scand. **27** (1973) 1821.

[1] Hargittai, M., Brunvoll, J.: Inorg. Chim. Acta **31** (1978) L379.