

1438
MW

C₃H₁₁NO

Trimethylamine – water (1/1)
(weakly bound complex)

(effective symmetry class)
C_{3v}
(CH₃)₃N · H₂O

$r_0(\Delta)$ ^{a)}	Å ^{b)}
N...H(1)	1.853(7)
N...O	2.881(4)
N...H(2)	3.333(3)
O–H(1)	1.028(7)
O–H(2)	0.452(3)

A free internal rotation of H₂O about the symmetry axis of N(CH₃)₃.

^{a)} Relative atomic positions along the complex symmetry axis.

^{b)} The angle between the *C*₂ axis of H₂O and the *C*₃ axis of N(CH₃)₃ is estimated as 65.5° from value of Δ(O–H(2)).

Tubergen, M.J., Kuczkowski, R.L.: J. Am. Chem. Soc. **115** (1993) 9263.

