

810
MW**C₇H₁₁NO****Aniline – methanol (1/1)**Benzenamine – methanol (1/1)
(weakly bound complex)**C_s**
(effective symmetry class)
(large-amplitude motion)

r_0	Å	θ_0	deg
N...H(1)	3.028(15)	C–N...H–O	94.90(19)

The torsional motion of the methyl group is hindered by an effective barrier V_3 of nearly 215 cm^{-1} , which is almost one-half of the methanol barrier height. The structure of the complex was calculated assuming a common symmetry plane for the monomers. They form a linear N...H–O hydrogen bond.

Haeckel, M., Stahl, W.: J. Mol. Spectrosc. **198** (1999) 263.

