

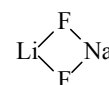
182
MW

F₂LiNa
Lithium fluoride – sodium fluoride (1/1)
C_{2v}

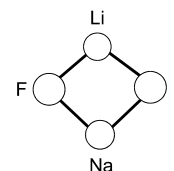
 Di- μ -fluoro(lithium)sodium

r_0	Å ^{a)}
Li–F	1.708(10)
Na–F	2.085(16)

θ_0	deg ^{a)}
F–Li–F	110.0(9)



As in homogeneous dimers, monomer to dimer bond expansions calculated from an ionic model are too large. The electric dipole moment from the ionic model is in excellent agreement with the *ab initio* result when experimental bond distances and angles are used and a 100% ionic character of the dimer bonds is assumed.



^{a)} Twice the estimated standard errors.

Biermann, S., Hoefft, J., Törring, T., Mawhorter, R., Lovas, F.J., Suenram, R.D., Kawashima, Y., Hirota, E.: J. Chem. Phys. **105** (1996) 9754.