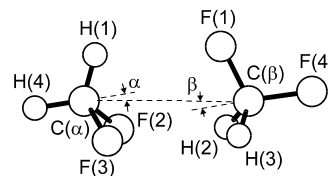


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MW $C_2H_4F_4$ **Difluoromethane dimer**
(weakly bound complex) C_s
(effective symmetry class)
(large-amplitude motion)
 $(CH_2F_2)_2$

r_0	\AA^a	θ_0	deg^a
$C(\alpha)\dots C(\beta)$	3.5469(19)	α^b	7.91(43)
$H(1)\dots F(1)$	2.6462(83)	β^b	9.27(10)
$H(2)\dots F(2)$	2.7715(45)		
$H(3)\dots F(3)$	2.7715(45)		

r_s	\AA
$C(\alpha)-C(\beta)$	3.542(7)



The derived structure is consistent with a cooperative union in the dimer formed by three hydrogen bonds.

^a) Estimated standard errors.

^b) See figure for the definition.

Blanco, S., López, J.C., Lesarri, A., Alonso, J.: J. Mol. Struct. **612** (2002) 255.

See also: Caminati, W., Melandri, S., Moreschini, P., Favero, P.G.: Angew. Chem. **111** (1999) 3105; Angew. Chem., Int. Ed. Engl. **38** (1999) 2924.