


Structure Data of Free Polyatomic Molecules

177 MW	FOP	Fluorooxophosphine		C _s	
		Phosphenous fluoride			
					
		r_0	Å ^a)	θ_0	deg ^a)
		P=O	1.4540(16)	O=P–F	110.25(18)
		P–F	1.5773(13)		
		r_z	Å ^a)	θ_z	deg ^a)
		P=O	1.45643(22)	O=P–F	110.2515(26)
		P–F	1.57766(22)		

^{a)} Estimated standard errors.

Gatehouse, B., Brupbacher, T., Gerry, M.C.L.: J. Phys. Chem. A **103** (1999) 560.

MW, *ab initio*
calculations

$r_e^a)$	\AA	$\theta_e^a)$	deg
P=O	1.4528(20)	F-P=O	110.16(2)
P-F	1.5727(19)		

^{a)} Using vibration-rotation constants determined experimentally and/or by MP2/VQZ+1 calculations.

Beckers, H., Bürger, H., Paplewski, P., Bogey, M., Demaison, J., Dréan, P., Walters, A., Breidung, J., Thiel, W.: Phys. Chem. Chem. Phys. **3** (2001) 4247.