


## Structure Data of Free Polyatomic Molecules

<b>178</b>	<b>FPS</b>	<b>Thiophosphoryl fluoride</b>	<b>C<sub>s</sub></b>
MW, IR		Phosphenthious fluoride	
	$r_e$ Å	$\theta_e$ deg	
	P=S    1.8886(4)	F-P=S    109.28(2)	
	P-F    1.5870(3)		
	$r_z$ Å	$\theta_z$ deg	
	P=S    1.8915(4)	F-P=S    109.32(2)	
	P-F    1.5921(3)		

Beckers, H., Bogey, M., Breidung, J., Bürger, H., Demaison, J., Dréan, P., Paplewski, P., Thiel, W., Walters, A.: J. Mol. Spectrosc. **210** (2001) 213.