

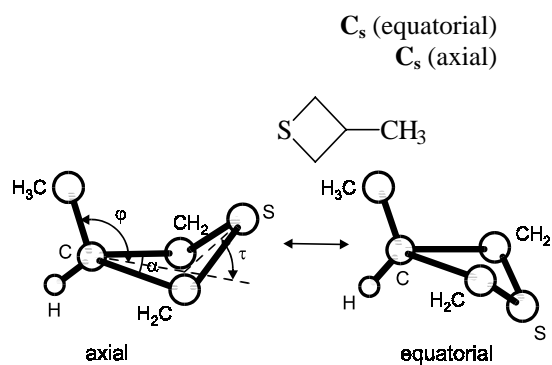
1767  
MW

**C<sub>4</sub>H<sub>8</sub>S**

**3-Methylthietane**

Parameter	equatorial	axial
$V$ [cm <sup>-1</sup> ]	-55.6(15)	54.0(15)
$\tau_0$ [deg]	-26.68(25)	25.17(25)
$\alpha_0$ [deg]	94.61(24)	95.74(24)
$\varphi_0$ [deg]	131.99(56)	127.25(56)

The equatorial form is more stable than the axial form by 1.2(2) kJ mol<sup>-1</sup>.



Caminati, W., Fantoni, A.C., Meyer, R., Shaw, R.A., Smithson, T.L., Wieser, H.: J. Mol. Spectrosc. **127** (1988) 450.