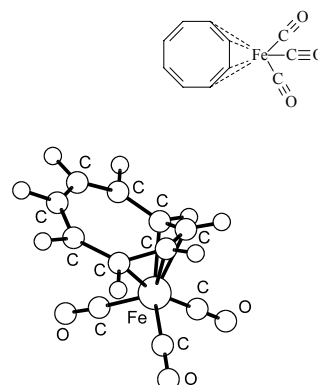


898
MW $\text{C}_{11}\text{H}_8\text{FeO}_3$ Tricarbonyl[(1,2,3,4- η)-1,3,5,7-cyclooctatetraene]iron C_s

Nearly all strong transitions can be fit using a near-rigid-rotor model with very small centrifugal distortion terms. These results indicate that this complex has a fairly rigid structure in the gas phase, with no observed evidence for fluxional behavior or internal motion on the microwave time scale. The measured rotational constants all agree with those calculated from the X-ray structure to within 0.3%. The excellent agreement between the rotational constants makes it very likely that the solid-state and gas-phase structures are nearly identical.



Kukolich, S.G., Breckenridge-Estes, S.M., Sickafoose, S.M.: Inorg. Chem. **36** (1997) 4916.