## SPECTRA

## Starting Materials and Products

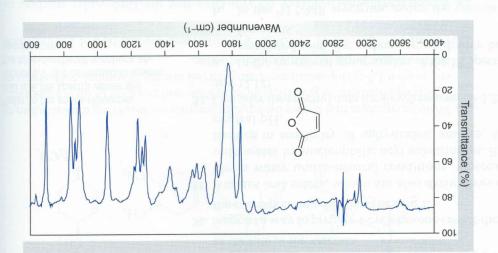


Figure 12.1 IR spectrum of maleic anhydride (IR card).

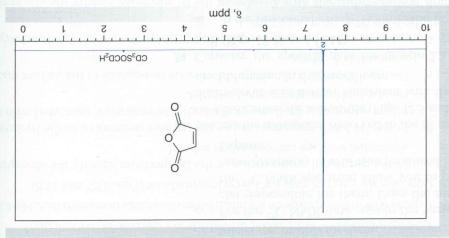


Figure 12.2 NMR data for maleic anhydride (DMSO-d<sub>6</sub>).

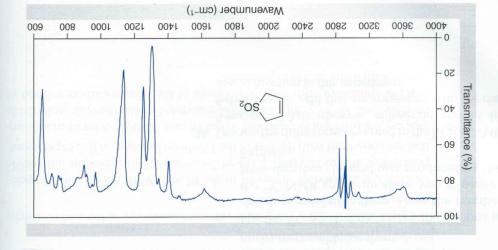


Figure 12.3 IR spectrum of 3-sulfolene (IR card).

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(a) <sup>1</sup>H VMR spectrum (300 MHz). (b) <sup>13</sup>C VMR data: 8 137.0, 165.0.