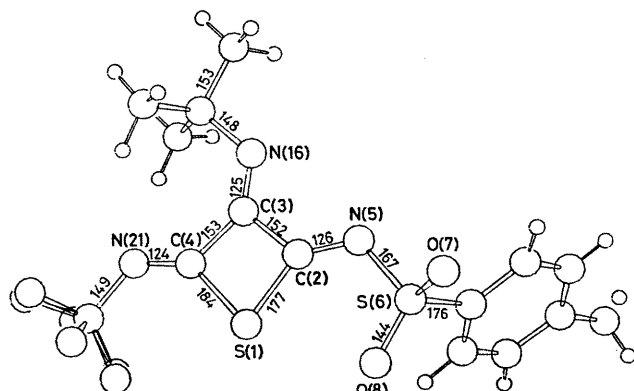


^{13}C n.m.r. spectra (CDCl_3), showed ring carbon absorptions at δ 145–146, 162–163, and 176–177 p.p.m. The structure of (**2a**) was determined by X-ray analysis, and a drawing of the structure is shown in the Figure, which



FIGURE

indicates the stereochemistry about the three imine double bonds.† *Crystal data*: $\text{C}_{18}\text{H}_{25}\text{N}_3\text{O}_2\text{S}_2$, monoclinic, space group $P2_1/n$, $a = 22.104(9)$, $b = 8.616(3)$, $c = 11.038(3)$ Å, $\beta = 100.83(3)^\circ$; $Z = 4$. Intensities were determined with a Syntex diffractometer with $\text{Mo-K}\alpha$ radiation; $2\theta_{\text{max}} = 42^\circ$. The structure was solved by MULTAN 77³ and refined with the X-RAY 72 system⁴ to an R -value of 0.049 for 1504 significant reflections. As expected, the nitrogen atoms are nearly coplanar with the thietan ring. The average deviation from the least-squares plane passing through the seven atoms is 0.037 Å.

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† The atomic co-ordinates for this work are available on request from the Director of the Cambridge Crystallographic Data Centre, University Chemical Laboratory, Lensfield Road, Cambridge CB2 1EW. Any request should be accompanied by the full literature citation for this communication.

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