CRYSTAL STUDIES OF SOME ORGANIC NATURAL PRODUCTS AND INORGANIC COMPOUNDS OF STRUCTURAL INTEREST

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The Crystal Structure of a Mixed Valence Platinum Compound

ABSTRACT

The crystal structure of the bromo derivative of a cyclic diterpene has been determined. The crystals are of orthorhombic symmetry with $a = 9.00\text{Å}$, $b = 31.46\text{Å}$, $c = 7.31\text{Å}$. The structure was solved by the normal heavy atom procedure, and refined by least-squares to a residual of $R = 0.064$.

The molecule is shown to be phyllocladan-15-yl bromoacetate, rather than to be a neo-atisirane derivative, as had been expected.