

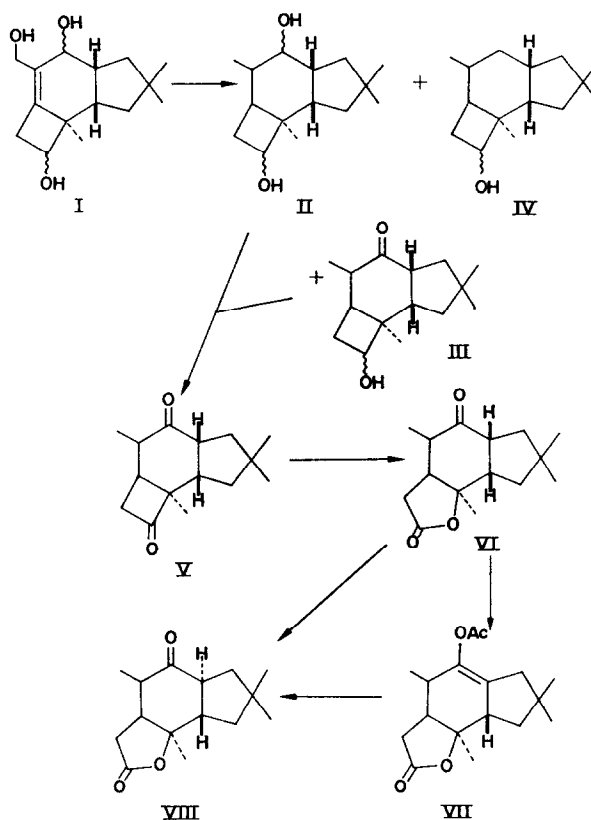
ERRATUM

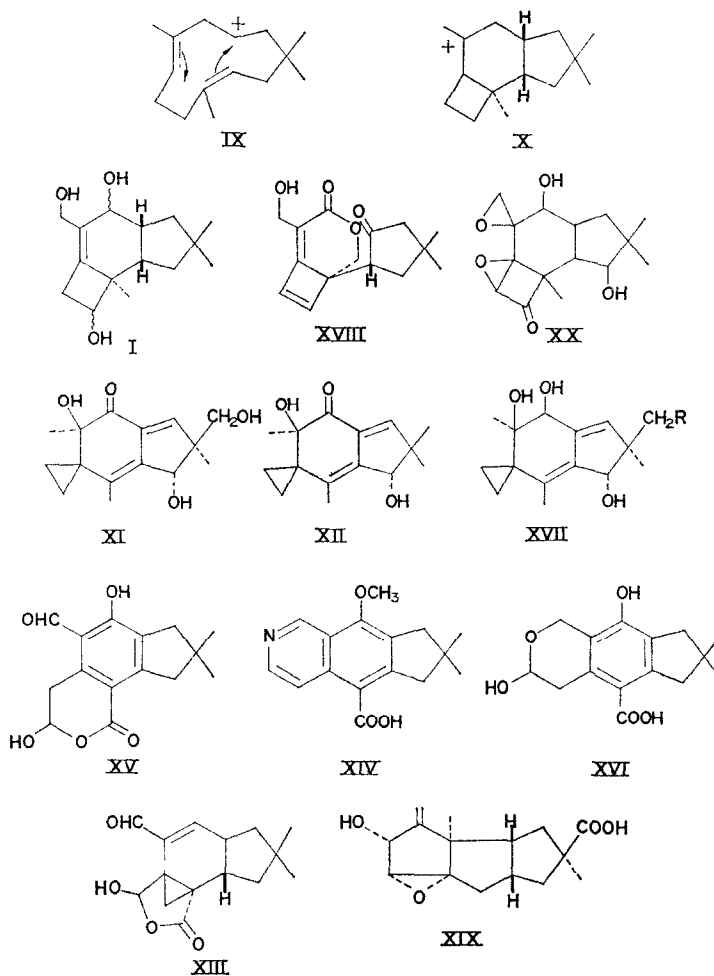
T. C. McMORRIS, M. S. R. NAIR, PRATAP SINGH and MARJORIE ANCHEL. The structure of illudol. *Phytochem.* **10**, 1611–1615 (1971).

Abstract—Detailed evidence is given for the structure and partial stereochemistry of illudol, a sesquiterpenoid triol obtained from the Basidiomycete *Clitocybe illudens*.

The structure of illudol (I) follows from its catalytic hydrogenation to (II), (III) and (IV) and Jones oxidation of (II) and (III) to the diketone (V). NMR, mass spectral, and IR studies of these products indicated the structures shown. Peracetic oxidation of (V) to (VI) and its interconversion to (VIII) via the enol acetate (VII), and determination of structure with NMR and ORD indicated the assignments shown.

The structure I for illudol is particularly interesting because it has the carbon skeleton of the hypothetical precursor (X) of a group of fungal metabolites: illudin S (XI), illudin M (XII), marasmic acid (XIII), illudinine (XIV), illudalic acid (XV), illudoic acid (XVI), dihydroilludin S (XVII, R = OH), dihydroilludin M (XVII, R = H), formannosin (XVIII), hirsutic acid (XIX) and coriolin (XX). The partial stereochemistry indicated in (I) and (XIII) was deduced by Sim.





The publisher regrets that the above structures were omitted from the article.