

Dr. Manoj Kumar
DEPT. CHEMISTRY.
H. D. Jain College Ara.

⇒ Stereochemistry of Zingiberene: —

It contains two chiral centres. As the acyclic chiral centre is stereochemically related to that in (+)-citronellal whereas the cyclic chiral centre to that in (-)- α -phellandrene. It means that (-) zingiberene has the absolute ~~con~~ configuration of above structure.

Santonin

Santonin is bicyclic compound. It is white crystalline solid. It is optically active.

Constitution of Santonin —

If molecular formula of Santonin is determined by its analytical data as $C_{15}H_{18}O_3$.

It reacts with Fehling's solⁿ it gives no red ppt.

