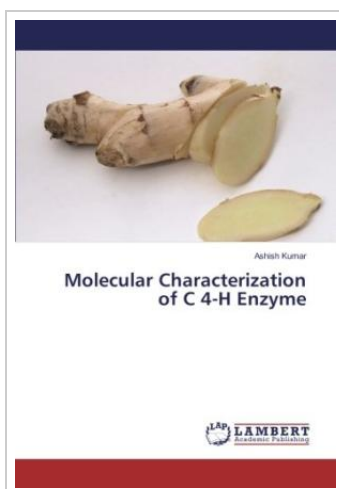




Molecular Characterization of C 4-H Enzyme

By Kumar, Ashish

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | From the literature study we concluded that the plant *Zingiber officinale* has a wide variety of medicinal properties. Due to huge application of the plant in the field of medicine it fascinates attention of researchers. Plants synthesize various phenolic compound, mainly gingerols are synthesized from the Phenylpropanoid biosynthetic pathway. There is a strong correlation between C-4-H and biosynthesis of phenolic compounds. Until now, there is no report on the sequencing of the gene encoding C-4-H from *Zingiber officinale*. Our increasing understanding of individual enzymes will allow use of more sophisticated approach with the ability to engineer substrate and product specificities (natural or unnatural) into native enzyme or domains will increasingly remove our dependence upon nature to provide desirable activities. It would be very helpful to further understanding of the Phenylpropanoid and Gingerol synthesis pathway, and its molecular regulation mechanisms, which might provide the basics for improving of phenylpropanoid pathway by genetic engineering in *Zingiber officinale*. | Format: Paperback | Language/Sprache: english | 88 pp.



READ ONLINE
[2.12 MB]

Reviews

These types of publication is the best book available. it absolutely was writtern very completely and helpful. I am very happy to explain how here is the greatest book we have study within my individual existence and can be he greatest publication for possibly.

-- **Lucas Brown**

This sort of book is almost everything and helped me looking in advance and much more. Yes, it can be enjoy, nevertheless an amazing and interesting literature. Its been written in an extremely simple way which is simply right after i finished reading this publication through which in fact altered me, alter the way i really believe.

-- **Lizeth Witting**