
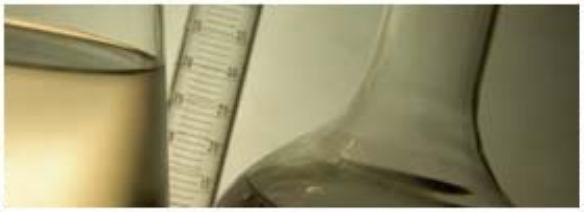

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Research Details :

Research Title	:	*INHIBITION OF FATTY-ACID ELONGATION PROVIDES A BASIS FOR THE ACTION OF THE HERBICIDE, ETHOFUMESATE,* *INHIBITION OF FATTY-ACID ELONGATION PROVIDES A BASIS FOR THE ACTION OF THE HERBICIDE, ETHOFUMESATE,*
Descriptipn	:	We have studied the effects of ethofumesate on fatty acid synthesis in germinating pea seeds and developing barley leaves. Ethofumesate inhibited labelling of fatty acids from C-14-acetate, this inhibition being much greater for very long chain fatty acids than those of shorter chain length made de novo. Measurement of elongation reactions, using pea seed microsomal fractions and [2-C-14]malonyl-CoA, confirmed that ethofumesate had a preferential action on fatty acid elongases. The data provide a possible explanation for the action of ethofumesate on epicuticular wax formation.
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