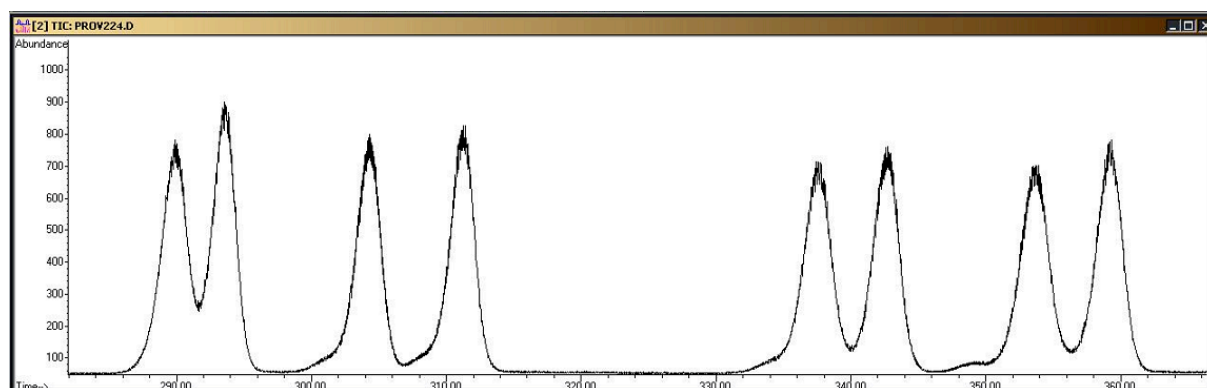


Stereoisomeric separation of the sex pheromone component 6,10,14-trimethyl-2-pentadecanol

6,10,14-trimethyl-2-pentadecanol is used by several insects as their sex pheromone. Among them are the rice moth, *Corcyra cephalonica* [1], whose larvae is a pest on dried fruit, grain, and nuts. 6,10,14-trimethyl-2-pentadecanol has eight stereoisomers, and normally the insects use one of them as their main sex pheromone component and sometimes one or a few more as minor components. It is therefore crucial to be able to separate and identify all eight stereoisomers. We have improved a method that separates all eight stereoisomers by derivatising the alcohol with chrysanthemoyl chloride [2]. This method will be used in oncoming analysis of extracts from different insects.



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