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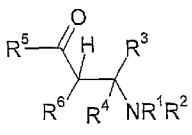
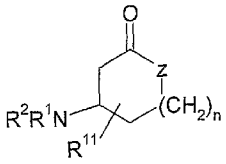
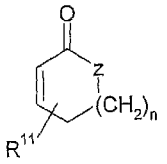
(54) Title: MICHAEL ADDITION PRODUCT AND SCHIFF'S BASE AROMACHEMICALS




(I)




(III)




(IV)

(57) Abstract: A pro-odorant or pro-flavorant having the formula (I): wherein $R^1$ is H, an aliphatic group or an aromatic group, $R^2$ is an aliphatic group or an aromatic group, provided that the total number of carbon atoms in the groups $R^1$ and $R^2$ is 10 or more; $R^3$, $R^4$ and $R^6$ are each independently hydrogen or organic moieties which together with $C(O)R^5$ render a compound of formula $R^5C(O)R^6C=CR^3R^4$ a material having odorant or flavourant characteristics and $R^5$ is hydrogen or an organic moiety; or having the formula (II): $R^8R^9C=NR^{10}$ wherein $R^{10}$ is an aliphatic group or an aromatic group having at least 10 carbon atoms; $R^8$ and $R^9$ are each independently hydrogen or organic moieties which together with C=O render a compound of formula $R^8R^9C=O$ a material having odorant or flavourant characteristics, provided that only one of $R^8$ and $R^9$ is hydrogen; or having the formula (III): wherein $R^1$ is H, an aliphatic group or an aromatic group, $R^2$ is an aliphatic group or an aromatic group, provided that the total number of carbon atoms in the groups $R^1$ and $R^2$ is 10 or more; Z is $CH_2$ or O, n is 0 or 1, such that the ring is a 5 or 6 membered ring, $R^{11}$ is alkyl or alkenyl having up to 10 carbon atoms so as to render a compound of formula (IV): a material having odorant or flavorant characteristics is described. Methods for producing these compounds and their use as flavours and fragrances is also described.

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