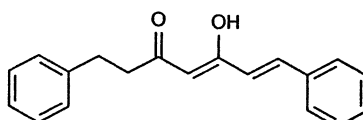
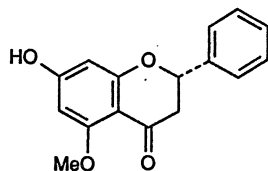


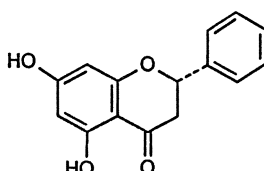
1,7-diphenyl-5-hydroxy-6-hepten-3-one (12-35)



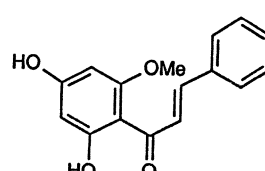
1,7-diphenyl-5-hydroxy-4,6-heptadien-3-one (12-36)



Alpinetin (12-37)



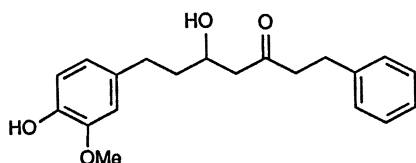
Pinocebrin (12-38)



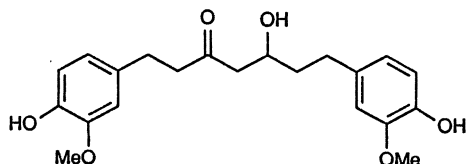
Cardamonin (12-39)

12.2.3 Chemical Constituents of *Alpinia officinarum*

A number of newly identified diarylheptanoids such as 5-hydroxy-7-(4-hydroxy-3-methoxyphenyl)-1-phenyl-heptan-3-one (12-40) [7]; 1,7-diphenylhept-4-en-3-one; 7-(4-hydroxy-3-methoxyphenyl)-1-phenylhept-4-en-3-one [8]; 7-(4-hydroxy-3-methoxyphenyl)-1-phenyl-heptan-3,5-dione; 7-(4-hydroxyphenyl)-1-phenyl-5-hydroxy-heptan-3-one [9]; 7-(4-hydroxyphenyl)-1-phenyl-heptan-3-one; 5-methoxy-1,7-diphenyl-heptan-3-one; and 5-methoxy-7-(4-hydroxyphenyl)-1-phenyl-heptan-3-one [10] were isolated from the rhizome of *A. officinarum*. Known diarylheptanoids were also found, e.g., 1,7-bis(4-hydroxy-3-methoxyphenyl)-5-hydroxy-heptan-3-one (12-41) [10].



5-Hydroxy-7-(4-hydroxy-3-methoxyphenyl)-1-phenyl-heptan-3-one (12-40)



1,7-bis(4-Hydroxy-3-methoxyphenyl)-5-hydroxy-heptan-3-one (12-41)