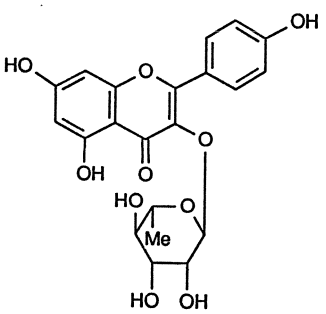
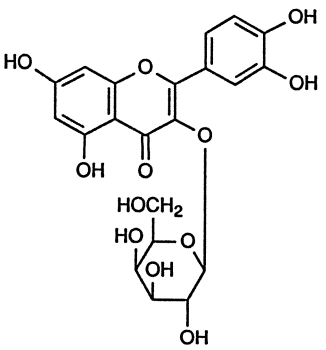
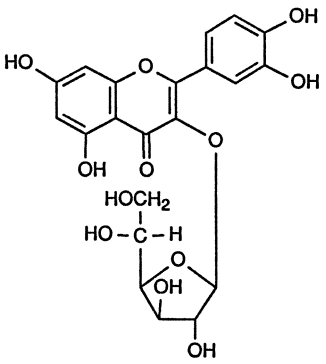


Afzelin (*75-2*)

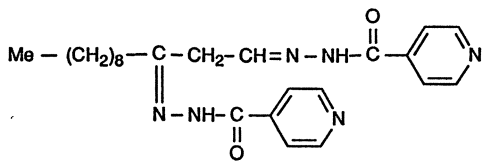


Hyperin (*75-3*)



Isoquercitrin (*75-4*)

3-Oxododecanal can be synthesized by formylation of methyl *n*-nonyl ketone with ethyl formate in benzene in the presence of metallic sodium [7]. The sodium bisulfite compound of 3-oxododecanal, a crystalline substance, was also synthesized for medicinal use against some infectious diseases, because the free compound polymerizes very easily [2]. A number of hydrazine derivatives produced from 3-oxododecanal and substituted hydrazines were also synthesized and tested for antimicrobial activity. As an example, the bis(isonicotinic hydrazide) of 3-oxododecanal (*75-5*) was synthesized by treating 3-oxododecanal with isonicotinic hydrazide. It showed tuberculostatic activity [7].



3-Oxododecanal bis(isonicotinic hydrazide) (*75-5*)