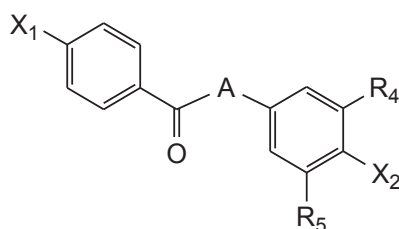


- (i) alpha 2 macroglobulin;
- (ii) at least one marker selected in the group consisting of HbA1c, fasting glucose level, fructosamine level;
- (iii) N-terminal pro-peptide of collagen type III;
- (iv) at least one marker selected in the group consisting of has-miR-34, hsa-miR-122 and hsa-miR-192; and
- (v) hsa-miR-200.

14. Use of a compound of formula (I) in the manufacture of a medicament for treating non-alcoholic steatohepatitis (NASH) in a subject, wherein the subject has been diagnosed according to the method of any one of claims 1 to 6, or classified according to the method of any one of claims 7 to 12.

15. The use according to claim 14, wherein the compound of formula (I) comprises:



wherein:

X1 represents a halogen, a R1, or G1-R1 group;

A represents a CH=CH or a CH2-CH2 group;

X2 represents a G2-R2 group;

G1 and G2, identical or different, represent an atom of oxygen or sulfur;

R1 represents a hydrogen atom, an unsubstituted alkyl group, an aryl group or an alkyl group that is substituted by one or more halogen atoms, an alkoxy or an alkylthio group, cycloalkyl groups, cycloalkylthio groups or heterocyclic groups;

R2 represents an alkyl group substituted by at least a -COOR3 group, wherein R3 represents a hydrogen atom, or an alkyl group that is substituted or not by one or more halogen atoms, cycloalkyl groups, or heterocyclic groups.

R4 and R5, identical or different, representing an alkyl group that is substituted or not by one or more halogen atoms, cycloalkyl groups, heterocyclic groups;

or a pharmaceutically acceptable salt thereof.

16. The use according to claim 15, wherein the compound is selected in the group consisting of 1-[4-methylthiophenyl]-3-[3,5-dimethyl-4-carboxydimethylmethoxy phenyl]prop-2-en-1-one, 1-[4-

methylthiophenyl]-3-[3,5-dimethyl-4-isopropoxy carbonyldimethylmethoxyphenyl]prop-2-en-1-one, 1-[4-methylthiophenyl]-3-[3,5-dimethyl-4-tertbutyloxycarbonyldimethylmethoxyphenyl] prop-2-en-1-one, 1-[4-trifluoromethylphenyl]-3-[3,5-dimethyl-4-tertbutyloxycarbonyldimethylmethoxyphenyl]prop-2-en-1-one, 1-[4-trifluoromethylphenyl]-3-[3,5-dimethyl-4-carboxydimethylmethoxyphenyl]prop-2-en-1-one, 1-[4-trifluoromethyl oxyphenyl]-3-[3,5-dimethyl-4-tertbutyloxycarbonyldimethylmethoxy phenyl] prop-2-en-1-one, 1-[4-trifluoromethoxyphenyl]-3-[3,5-dimethyl-4-carboxydimethylmethoxyphenyl]prop-2-en-1-one, 2-[2,6-dimethyl-4-[3-[4-(methylthio)phenyl]-3-oxo-propyl] phenoxy]-2-methylpropanoic acid, and 2-[2,6-dimethyl-4-[3-[4-(methylthio) phenyl]-3-oxo-propyl]phenoxy]-2-methyl-propanoic acid isopropyl ester; or a pharmaceutically acceptable salt thereof.