

Phenyl acetic acid derivatives of formula (I) in which the components and index have the following meanings: X is NOCH<sub>3</sub>, CHOCH<sub>3</sub> CHCH<sub>3</sub> and CHCH<sub>2</sub>CH<sub>3</sub>; R<sup>1</sup> is hydrogen and alkyl; R<sup>2</sup> is cyano, nitro, trifluoro methyl, halogen, alkyl and alkoxy; m is 0, 1 or 2, in which the radicals R<sup>2</sup> may be different if m is 2; R<sup>3</sup> is hydrogen, cyano, nitro, hydroxy, amino, halogen, alkyl, halogen alkyl, alkoxy, halogen alkoxy, alkylthio, alkylamino or dialkylamino; R<sup>4</sup> is hydrogen, cyano, nitro, hydroxy, amino, halogen, possibly substituted alkyl, alkoxy, alkylthio, alkylamino, dialkylamino, alkenyl, alkenyloxy, alkenylthio, alkenylamino, N-alkenyl-N-alkylamino, alkynyl, alkynyloxy, alkynylthio, alkynylamino, N-alkynyl-N-alkylamino, possibly substituted cycloalkyl, cycloalkyloxy, cycloalkylthio, cycloalkylamino, N-cycloalkyl-N-alkylamino, cycloalkenyl, cycloalkenyloxy, cycloalkenylthio, cycloalkenylamino, N-cycloalkenyl-N-alkylamino, heterocyclyl, heterocyclyloxy, heterocyclylthio, heterocyclylamino, N-heterocyclyl-N-alkylamino, aryl, aryloxy, arylthio, arylamino, N-aryl-N-alkylamino, hetaryl, hetaryloxy, hetarylthio, hetarylamino, N-hetaryl-N-alkylamino; R<sup>5</sup> is hydrogen, possibly substituted alkyl, cycloalkyl, alkenyl, alkynyl, alkyl carbonyl, alkenyl carbonyl, alkynyl carbonyl or alkyl sulphonyl; possibly substituted aryl, aryl carbonyl, aryl sulphonyl, hetaryl, hetaryl carbonyl or hetaryl sulphonyl; and their salts, process and intermediate products for their production and their use.

