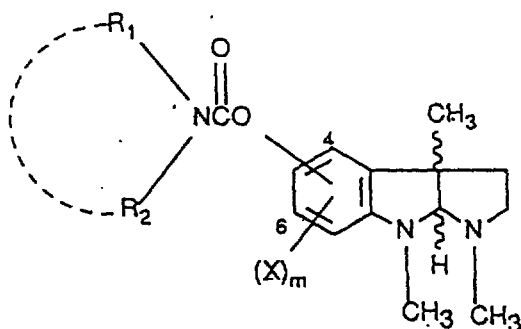


4142.

**4- AND 6-CARBAMATES RELATED TO PHYSOSTIGMINE, A PROCESS AND
INTERMEDIATES FOR THEIR PREPARATION AND THEIR USE
AS MEDICAMENTS**

ABSTRACT

This invention relates to 4- and 6-carbamates related to physostigmine of the formula



where R_1 is alkyl, cycloalkyl, bicycloalkyl, aryl or arylloweralkyl; R_2 is hydrogen or alkyl or the group $-NR_1R_2$ taken together forms a monocyclic or bicyclic ring of 5 to 12 carbons; m is 0, 1, or 2; each X is independently hydrogen, halogen, loweralkyl, nitro or amino; and the pharmaceutically acceptable acid addition salts thereof, and where applicable, the geometric and optical isomers and racemic mixtures thereof. This invention also relates to a process and intermediates for the preparation of the 4- and 6-carbamates. The compounds of this invention display utility for alleviating various memory dysfunctions characterized by a decreased cholinergic function, such as Alzheimer's disease.