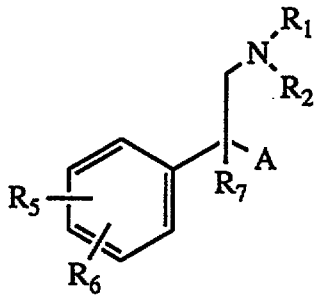
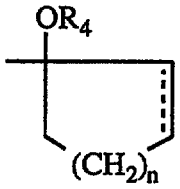
Abstract

NEW TREATMENTS USING PHENETHYLAMINE DERIVATIVES

This invention provides use of a following compound to prepare a medicament for treating obesity, generalized anxiety disorder, post-traumatic stress disorder, late luteal phase disphoric disorder (premenstrual syndrome), attention deficit disorder, with and without hyperactivity, Gilles de la Tourette syndrome, bulimia nervosa or Shy Drager Syndrome. The compound is a hydroxycycloalkanephenethyl amine of the following structural formula:



in which A is a moiety of the formula



where

the dotted line represents optional unsaturation;

R_1 is hydrogen or alkyl;

R_2 is alkyl;

R_4 is hydrogen, alkyl, formyl, or alkanoyl;

R_5 and R_6 are, independently, hydrogen, hydroxyl, alkyl, alkoxy, alkanoyloxy, cyano, nitro, alkylmercapto, amino, alkylamino, dialkylamino, alkanamido, halo, trifluoromethyl, or taken together, methylene dioxy;

R_7 is hydrogen or alkyl; and

n is 0, 1, 2, 3, or 4;

or a pharmaceutically acceptable salt thereof.