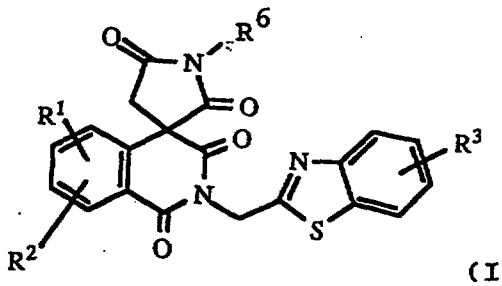
ABSTRACT

1'-AMINO-2-[(BENZOTHIAZOLYL)METHYL]SPIRO-[ISOQUINOLINE-4(1H),3'-PYRROLIDINE]-1,2',3,5'(2H)-TETRONES AND ANALOGS THEREOF USEFUL ALDOSE REDUCTASE INHIBITORS

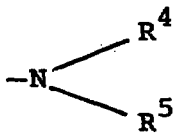
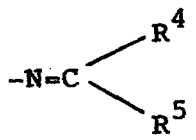
The invention concerns compounds of formula:

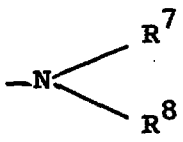


(I)

wherein:

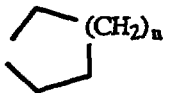
R^1,R^2 and R^3 are independently hydrogen, alkyl containing 1 to 6 carbon atoms, halogen, lower alkoxy containing 1 to 6 carbon atoms, trifluoromethyl or nitro;

R^6 is  , 

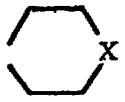
or 

wherein

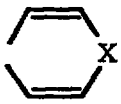
R^4 and R^5 are independently hydrogen, alkyl containing 1 to 6 carbon atoms, aryl, aryl (lower alkyl) wherein aryl contains 6 to 10 carbon atoms and lower alkyl contains 1 to 6 carbon atoms, alkanoyl of 2 to 5 carbon atoms or carboalkoxy, or R^4 and R^5 are joined to form alicyclic or heterocyclic rings selected from the group consisting of



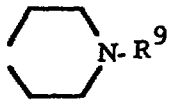
wherein n = 1-10;



wherein X = O, S, SO, SO_2;



wherein X = O, S; and



wherein R^9 = H, lower alkyl containing 1 to 6 carbon atoms, aryl or aryl (lower alkyl)wherein aryl contain 6 to 10 carbon atoms and lower alkyl contains 1 to 6 carbon atoms,

and

R^7 and R^8 are independently alkylsulfoxy, arylsulfoxy, alkysulfonyl, arylsulfonyl wherein aryl contains 6 to 10 carbon atoms and alkyl contains 1 to 6 carbon atoms or R^8 may also represent one of the values for R^5 above, and the pharmaceutically acceptable salts thereof, to processes for their preparation, to methods for using the compounds, and to pharmaceutical preparations thereof. The compounds have pharmaceutical properties which render them beneficial for the prevention or treatment of diabetes mellitus associated complications.