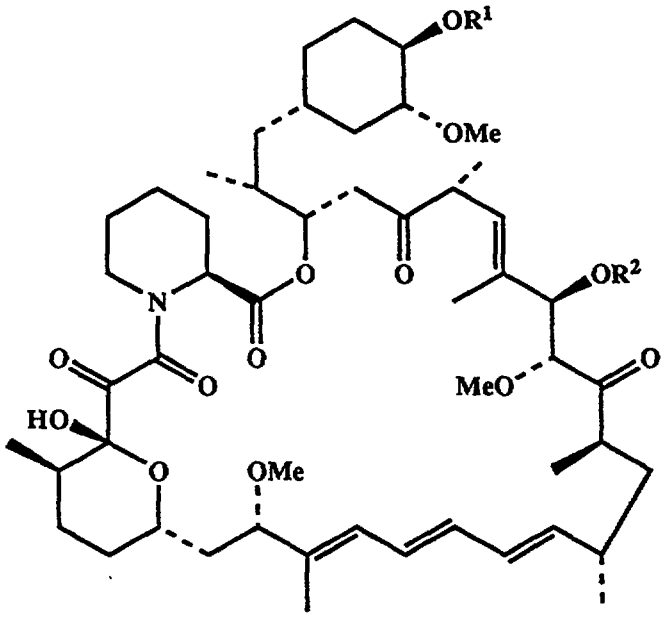
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ABSTRACT

Rapamycin Carbonate Esters as Immunosuppressant Agents

Carbonate esters with rapamycin at position 42 or positions 31 and 42 have immunosuppressant properties and are useful in the treatment of transplant rejections and autoimmune diseases. These esters are represented by the formula below:



wherein:

R^1 and R^2 are independently H or $-COOR^3$ but both R^1 and R^2 cannot be H, and

R^3 is C_1-C_6 alkyl where 1 to 3 hydrogens may be replaced by fluorine, chlorine, bromine or iodine, C_3-C_8 cycloalkyl, C_2-C_6 alkenyl, or Ar-$(CH_2)_n$- where n is 0 to 6 and Ar is phenyl, phenyl substituted by fluorine, chlorine, bromine, iodine, trifluoromethyl, nitro, cyano, C_1-C_6 alkyl or C_1-C_6 alkoxy; pyridinyl, indolyl, quinolyl or furanyl;

or a pharmaceutically acceptable salt thereof.