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(54) Title: FUROXAN COMPOUNDS, COMPOSITIONS AND METHODS OF USE

(57) Abstract: The invention provides novel furoxan compounds, or pharmaceutically acceptable salts thereof, and novel compositions comprising at least one compound, and, optionally, at least one nitric oxide enhancing compound and/or at least one therapeutic agent. The compounds and compositions of the invention can also be bound to a matrix. The invention also provides methods for (a) treating cardiovascular diseases; (b) inhibiting platelet aggregation and platelet adhesion caused by the exposure of blood to a medical device; (c) treating pathological conditions resulting from abnormal cell proliferation; (d) treating transplantation rejections; (e) treating autoimmune, inflammatory, proliferative, hyperproliferative or vascular diseases; (f) reducing scar tissue or for inhibiting wound contraction; (g) treating diseases resulting from oxidative stress; (h) treating endothelial dysfunctions; and (j) treating diseases caused by endothelial dysfunctions.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/44680

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - C07D271/12 (2007.01) USPC - 548/126; 548/131 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) USPC- 548/126; 548/131 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST (DB=PGPB,USPT,USOC,EPAB,JPAB), Google Patene and Google Scholar: oxadiazole, nitric oxide enhancing agents		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,389,655 A (SCHONAFINGER et al) 14 February 1995 (14.02.1995); entire document, esp. Col 10, ln 1-21; Col 10, ln 40-41; Col 10, ln 57-62; Col 10, ln 51-57	1-21
Y	US 4,416,893 A (SCHONAFINGER et al) 22 November 1983 (22.11.1983); entire document, esp. Col 6, ln 19-55	1-21
Y	WO 2005/018561 A2 (GARVEY et al) 03 March 2005 (03.03.2005); entire document, esp. pg 5, ln 29-30; pg 5, ln 17-31; pg 6, ln 1-5; pg 129, ln 21-23; pg 129, ln 24-31; pg 130, ln 1-2; pg 130, ln 17-21; pg 132, ln 23-29; pg 129, ln 16-20	1-21
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