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(71) Applicant (for all designated States except US): **MAS-SACHUSETTS EYE AND EAR INFIRMARY** [US/US]; 243 Charles Street, Boston, MA 02114 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VAVVAS, Demetrios** [GR/US]; 19 Hemman Street, Boston, MA 02131 (US). **TRICHONAS, Georgios** [GR/US]; 6 Whittier Place, Boston, MA 02114 (US). **MILLER, Joan** [US/US]; 40 Westland Avenue, Winchester, MA 01890 (US). **MURAKAMI, Yusuke** [JP/US]; 53 Paul St, Apt # 26, Newton, MA 02459 (US).

(74) Agents: **STERN-DOMBAL, Charlene, A.** et al.; Goodwin Procter LLP, Exchange Place, Boston, MA 02109 (US).

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(54) Title: METHODS AND COMPOSITIONS FOR PRESERVING PHOTORECEPTOR AND RETINAL PIGMENT EPITHELIAL CELLS

(57) Abstract: Provided are methods and compositions for maintaining the viability of photoreceptor cells and/or retinal pigment epithelial cells in a subject with an ocular disorder including, for example, age-related macular degeneration (AMD) (e.g., dry or neovascular AMD), retinitis pigmentosa (RP), or a retinal detachment. The viability of the photoreceptor cells and/or the retinal pigment epithelial cells can be preserved by administering a necrosis inhibitor either alone or in combination with an apoptosis inhibitor to a subject having an eye with the ocular condition. The compositions, when administered, maintain the viability of the cells, thereby minimizing the loss of vision or visual function associated with the ocular disorder.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER					
INV.	A61K31/12	A61K31/195	A61K31/40	A61K31/4155	A61K31/416
	A61K31/4178	A61K31/519	A61K38/06	A61P27/02	A61K45/06
	A61K31/4174				

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) A61K A61P

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) EPO-Internal, CHEM ABS Data, BIOSIS, EMBASE, WPI Data
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/077344 A2 (BRIGHAM & WOMENS HOSPITAL [US]; HARVARD COLLEGE [US]; CUNY GREGORY D []) 25 August 2005 (2005-08-25) page 40; claims 5,12,17,23,24,35,47,48,53,59,60,65,71,72,79,88; example 1	57,58,60,61
X	WO 2009/023272 A1 (HARVARD COLLEGE [US]; BRIGHAM & WOMENS HOSPITAL [US]; UNIV BOSTON [US]) 19 February 2009 (2009-02-19) page 31, lines 12-14; figure 1; example 9	57,60,61
X	WO 2008/045406 A2 (HARVARD COLLEGE [US]; SHANGHAI INST ORGANIC CHEM [CN]; YUAN JUNYING [U]) 17 April 2008 (2008-04-17) cited in the application pages 34,46,50	57,58,60,61
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
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* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
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International application No

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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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