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(54) Title: IMPROVE THE THERAPEUTIC BENEFIT OF SUBOPTIMALLY ADMINISTERED NAPHTHALIMIDES

(57) Abstract: The present invention describes methods and compositions for improving the therapeutic efficacy of therapeutic agents previously limited by suboptimal therapeutic performance by either improving efficacy as monotherapy or reducing side effects. Such methods and compositions are particularly applicable to naphthalimides such as amonafide or analogs, derivatives, or prodrugs thereof.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 31/435; C07D 221/14 (2014.01)

CPC - A61K 31/336, 45/06

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)

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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)

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; Scifinder; Google/Google Scholar; KEYWORDS: therapeutic, efficacy, suboptimal, monotherapy, side effects, amonafide, analog, derivative, prodrug

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	WO 2012/024367 A2 (BROWN, DM) 23 February 2012; paragraphs [0013]-[0015], [0019]-[0052], [0076]-[0077], [0084], [0087], [0090]-[0091], [0099], [0125], [0155], [0160], [0168], [0178], [0247], [0262]	1-2, 7-16, 18-20, 22-24, 26-28, 30, 32-40, 42-48, 50-52, 54-56, 58-60, 62-64, 66-68, 70-72, 74-76, 78-80, 82-88, 90-91, 93-95, 97-99, 101-103, 105-113, 115-117, 119-121, 123-125, 127-129, 131-133, 135-137, 139-141, 143-149, 151-153, 155-157, 159-161, 163-165, 167-169, 171 3-6, 17, 21, 25, 29, 31, 41, 49, 53, 57, 61, 65, 69, 73, 77, 81, 89, 92, 96, 100, 104, 114, 118, 122, 126, 130, 134, 138, 142, 150, 154, 158, 162, 166, 170, 172-226

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	US 2010/0303719 A1 (HUANG, S et al.) 02 December 2010; paragraphs [0004]-[0006]	3-6, 17, 21, 25, 29, 49, 53, 57, 61, 65, 69, 73, 77, 81, 92, 96, 100, 104, 114, 118, 122, 126, 130, 134, 138, 142, 150, 154, 158, 162, 166, 170, 172-226
Y	US 2013/0296307 A1 (HOOD, J et al.) 07 November 2013; paragraph [0341]	31, 41
Y	US 5,573,781 A (BROWN, DM et al.) 12 November 1996; column 4, lines 34-45	89
Y	US 2006/0182751 A1 (GAZZARD, LJ et al.) 17 August 2006; abstract	6, 181
A	US 2007/0207977 A1 (BROWN, DM) 06 September 2007; entire document	1-226