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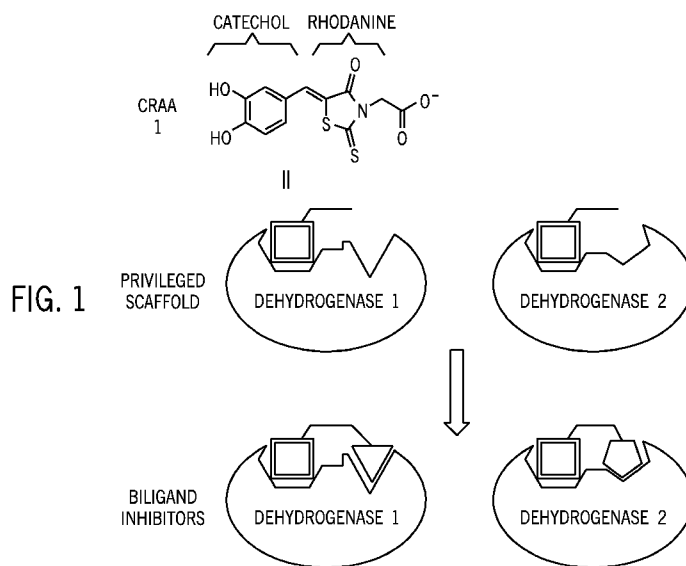
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[Continued on next page]

(54) Title: CHEMICAL PROTEOMIC ASSAY FOR OPTIMIZING DRUG BINDING TO TARGET PROTEINS



(57) Abstract: Disclosed herein are methods related to drug development. The methods typically include steps whereby an existing drug is modified to obtain a derivative form or whereby an analog of an existing drug is identified in order to obtain a new therapeutic agent that preferably has a higher efficacy and fewer side effects than the existing drug.



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A. CLASSIFICATION OF SUBJECT MATTER*G01N 30/02(2006.01)i, G01N 33/53(2006.01)i, G01N 33/68(2006.01)i, G01N 30/72(2006.01)i, G01N 33/15(2006.01)i*

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01N 30/02; G06F 15/16; H04J 3/22; H04B 7/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2008-002235 A1 (GE HEALTHCARE BIO-SCIENCES AB et al.) 03 January 2008 See Abstract and Claim 1.	1-20
A	US 2005-0266503 A1 (NORMAN PURVIS et al.) 01 December 2005 See Abstract.	1-20
A	Ge, X. et al., Affinity-based chemical proteomic probe for dehydrogenases: Fluorescence and visible binding assays in gels, Analytical Biochemistry, 2007, vol.370, pp.171-179 See Abstract.	1-20
A	Ge, X. et al., Chemical Proteomics-Based Drug Design: Target and Antitarget Fishing with a Catechol-Rhodanine Privileged Scaffold for NAD(P)(H) Binding Proteins, J. Med. Chem., 2008, vol.51, pp.4571-4580 See Abstract and Pages 4572-4575.	1-20



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WO 2008-002235 A1

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US 2009-0242750 A1

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US 2005-0266503 A1

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US 2008-0096231 A1

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