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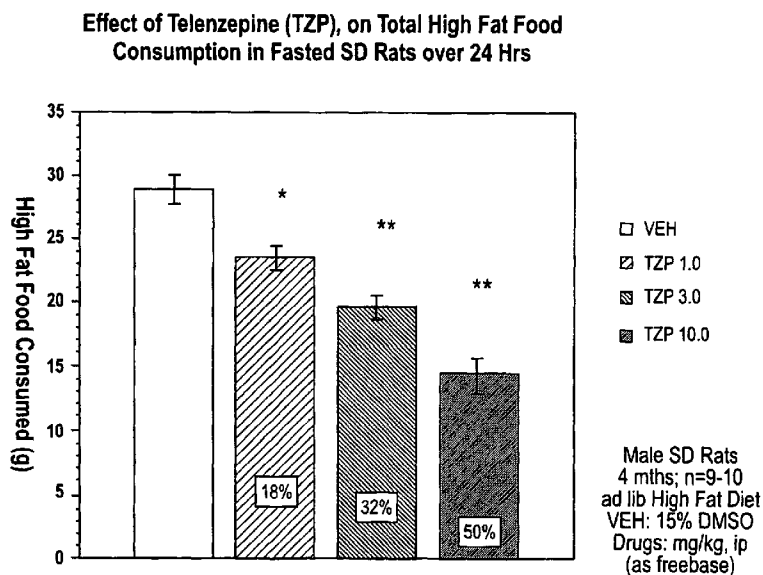
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(54) Title: TREATING OBESITY WITH MUSCARINIC RECEPTOR M₁ ANTAGONISTS

(57) **Abstract:** Provided are methods of treating obesity and effecting desired weight loss or preventing undesired weight gain by administration of a preferential muscarinic acetylcholine receptor M₁ antagonist, optionally with at least one antidepressant other than a selective muscarinic acetylcholine receptor M₁ antagonist. The preferential muscarinic acetylcholine receptor M₁ antagonist, optionally can be administered with an anti-obesity agent, for example, an anorexiant. The invention also provides for pharmaceutical compositions and kits for administration of at least one selective muscarinic acetylcholine receptor M₁ antagonist in combination with at least one antidepressant other than a selective muscarinic acetylcholine receptor M₁ antagonist.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: A01N 43/30(2006.01);A61K 31/36(2006.01)

USPC: 514/465,466

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)

U.S. : 514/465,466

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y / A	US 6,872,716 B2 (WU et al) 29 March 2005 (25.03.2005), column 3 line 61 spanning column 4 line 2, column 5 lines 24-41, and column 5 lines 54-67.	1-3 and 5-10 ----- 4 and 13-25 / 11-12
X --- Y / A	US 6,703,383 B2 (WU et al) 09 March 2004 (09.03.2004), column 3 lines 44-67, column 5 lines 22-40, and column 5 lines 51-65.	1-3 and 5-10 ----- 4 and 13-25 / 11-12
X --- Y / A	US 2004/0204472 A1 (BRIGGS et al) 14 October 2004 (14.10.2004), claim 9 and paragraph 73.	1-4, 9, and 10 ----- 13-25 / 5-8 and 11-12



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- A	US 6,803,357 (BACHOVCHIN et al) 12 October 2004 (12.10.2004), abstract and column 35 lines 12-39.	11-25 ----- 1-10