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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

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(54) Title: M₃ MUSCARINIC ACETYLCHOLINE RECEPTOR ANTAGONISTS

(57) Abstract: Muscarinic Acetylcholine receptor antagonists and methods of using them are provided.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/30218

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): A61K 31/00; A01N 43/00 (2007.01)

USPC: 514/211.01

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: 514/211.01

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 514/211.04, 211.05, 212.01, 221; 585/20, 21, 22; 546/112; 540/312 (key word search)

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

PubWEST (USPT, PGPB, EPAB, JPAB), Google Scholar, ChemMine, NIST Chemistry WebBook

Search Terms: Tropane, Nortropan, Nortropane, Acetylcholine, Muscarinic Receptor, M3 Muscarinic Receptor, M3 Muscarinic Receptor Antagonist, or 8-Azabicyclo[3.2.1]octane, 8-methyl-8-Azabicyclo[3.2.1]octane

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WARD et al. Alanine-Scanning Mutagenesis of Transmembrane Domain 6 of the M1	1-3
----	Muscarinic Acetylcholine Receptor Suggests that Tyr381 Plays Key Roles in Receptor Function.	-----
Y	Molecular Pharmacology. 30 July 1999 (30.07.1999), Vol. 56, pages 1031-1041. Table 3, page 1037.	4-11
Y	US 4,237,296 A (GADIANT) 01 December 1980 (01.12.1980), col. 8, lines 20-31.	4-11
Y	US 6,482,837 B1 (WOOD) 19 November 2002 (19.11.2002), col. 14, lines 29-49.	9-11

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