

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number  
**WO 2005/044976 A3**

(51) International Patent Classification<sup>7</sup>: **C07H 21/04**

(21) International Application Number:  
PCT/US2004/019458

(22) International Filing Date: 18 June 2004 (18.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/480,048 20 June 2003 (20.06.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
23 February 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



**WO 2005/044976 A3**

(54) Title: OLIGOMERIC COMPOUNDS FOR USE IN GENE MODULATION

(57) Abstract: The present invention provides modified oligomeric compounds and compositions of oligomeric compounds for use in the RNA interference pathway of gene modulation. The modified oligomeric compounds include siRNA and asRNA having at least one affinity modification. The present invention also provides methods for modulating gene expression using the modified oligomeric compounds and compositions of oligomeric compounds.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/19458

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : CO7H 21/04

US CL : 536/24.5

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. : 536/24.5

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)  
STN (Embase, Medline, CaPlus, Biosis), EAST (Domestic and Foreign Patents), PubMed

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E, X	Tuschl et al. (US Patent Application Publication 2004/0259247 A1) Pages 1-16, especially at paragraphs 14-16, and 166.	1-7, 9, 10, 14, 15, 18-21, 23, 25-33, 35-49
X	Parrish et al. (2000) Molecular Cell 6:1077-1087, pages 1081-2	1-7, 9, 10, 14, 15, 18-21, 23-33, 35-38, 41, 46-49
Y	Cook et al. (US Patent No. 6,005,087) See document throughout.	1-10, 14-50
Y	Froehler et al. (US Patent 5,484,908) See document throughout.	10
Y	Lin et al. (1998) J. Am. Chem. Soc. 120:8531-8532. See document throughout.	11-13
Y	Buhr et al. (1996) Nucleic Acids Res. 24:2974-2980. See document throughout.	16
Y	Moulds et al. (1995) Biochemistry 34:5044-5053. See document throughout.	10
Y	Gutierrez et al. (1997) Biochemistry 36:743-748. See document throughout.	1-10

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	"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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"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

18 November 2005 (18.11.2005)

Date of mailing of the international search report

**22 DEC 2005**

Name and mailing address of the ISA/US

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P.O. Box 1450  
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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US04/19458

## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	Braasch et al. (2003) <i>Biochemistry</i> 42:7967-7975. See document throughout.	1-4, 18-20, 30-34, 36-40, 41,
A, T	Soutschek et al. (2004) <i>Nature</i> 432:173-178. See document throughout.	41-50
A, P	Kurreck (2003) <i>Eur. J. Biochem.</i> 270:1628-1644. See document throughout.	1-50

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