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(74) Agents: **PEREZ, Jeffrey, T.** et al.; Hunton & Williams,
LLP, 1900 K Street, N.W., Suite 1200, Washington, DC
20006-1109 (US).

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(71) Applicant (*for all designated States except US*): **NEW
RIVER PHARMACEUTICALS INC.** [US/US]; The
Governor Tyler, 1902 Downey Street, Radford, VA 24141
(US).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **PICCARIELLO,
Thomas** [US/US]; 203 Murphy Street, Blacksburg, VA
24060-2534 (US). **KIRK, Randal, J.** [US/US]; P.O. Box
3426, Radford, VA 24143-3526 (US). **OLON, Lawrence,
P.** [US/US]; 306 Galway Road, Bristol, TN 37620-3034
(US).

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ning of each regular issue of the PCT Gazette.*

(54) Title: IDOTHYRONINE COMPOSITIONS

(57) Abstract: The present invention relates to compositions comprising an active agent. More specifically, the invention relates to active agent compositions that include a peptide carrier and an active agent covalently attached to at least one of the N-terminus, the C-terminus, a side chain of the peptide carrier, and/or interspersed within the peptide chain; methods for protecting and administering active agents; and methods for treating thyroid disorders.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/05526

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/192, 31/198, 38/02; C07K 2/00; C07C 229/36

US CL : 514/5, 563, 567; 530/300, 345, 402, 409, 410; 562/447

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. : 514/5, 563, 567; 530/300, 345, 402, 409, 410; 562/447

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 4,489,165 A (WAGNER ET AL) 18 December 1984 (18/12/84), see entire document, especially formulas I, II, IV, V.	1-3, 10-13, 18-21, 24, 25, 39-42, 45, 47-56, 59, 60, 62-65 ----- 17
X	US 4,801,504 A (BURDICK ET AL) 31 January 1989 (31/01/89), see entire document, especially column 14, lines 30-45.	66
X	US 4,820,860 A (WISSMANN ET AL) 11 April 1989 (11/04/89), see entire document, especially the Abstract.	67
X	US 5,843,634 A (BRATE ET AL) 01 December 1998 (01/12/98), see entire document, especially column 30, lines 11-17, Examples 15A and 15B, Table 6.	1, 3, 12, 13, 18-20, 23, 24, 27, 39-41, 43
X --- Y	US 5,856,359 A (FISCHER ET AL) 05 January 1999 (05/01/99), see entire document, especially the Abstract.	69 ----- 17

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	"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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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Jeffrey E. Russel

Telephone No. (703) 308-0196

INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,910,569 A (LATHAM ET AL) 08 June 1999 (08/06/99), see entire document, especially column 1, lines 26-50, column 2, lines 51-52, column 7, lines 38-39, column 8, lines 62-64, claim 1.	1-13, 18-22, 24, 25, 27, 30-34, 38-42, 44- 46, 48-65, 70-72 ----- 17
A	ADAMCZYK et al. Immunoassay Reagents for Thyroid Testing. 1. Synthesis of Thyroxine Conjugates. Bioconjugate Chemistry. 1994, Volume 5, Number 5, page 459-462, see entire document.	1-72
X	US 5,691,456 A (ADAMCZYK ET AL) 25 November 1997 (25/11/97), see entire document, especially column 4, line 61 - column 6, line 3.	1, 3, 13, 14, 18-20, 23, 24, 27, 30-35, 38-40, 43, 45, 48-56, 59, 62-65, 72
X	US 6,342,225 B1 (JONES ET AL) 29 January 2002 (29/01/02), see entire document, especially column 6, lines 9-11, column 8, lines 44-45, column 9, lines 18-19, claims 9 and 10.	1, 3, 13, 18-21, 24, 27, 30-34, 38-40, 42, 45, 48-56, 59, 62-65, 72

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Continuation of B. FIELDS SEARCHED Item 3:

EAST, DIALOG

search terms: iodothyronine, thyroxine, fatty acid, cyclodextrin, acylate, polyethylene glycol, conjugate, carrier