Abstract:
The present invention relates to compounds which are indoline derivatives of formula (I), wherein R1, R2, R3, R4 and n are as defined in the specification, intermediates used in their synthesis and pharmaceutical compositions containing these compounds. The invention is also concerned with methods utilising these compounds in prophylactic or therapeutic treatment of obesity, weight gain, metabolic disorders resulting in obesity or weight gain and associated conditions such as high blood glucose and triglycerides, and Type II diabetes.
**INTERNATIONAL SEARCH REPORT**

**International application No.**
PCT/NZ2007/000285

### A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.

- **C07D 403/12** (2006.01)
- **ZKHP 3/06** (2006.01)
- **C07D 209/56** (2006.01)
- **A61K 31/395** (2006.01)
- **A61P 3/110** (2006.01)
- **A61K 31/403** (2006.01)
- **A61P3/04** (2006.01)
- **A61P 9/00** (2006.01)

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)

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)

WPIDS, Medline, CAPlus: indoline derivative, diabetes, eating disorder, hyperglycemia, hypertriglyceridemia, metabolic disorder, obesity, body weight and related terms.

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td>X</td>
<td>WO 1998/01 1101 A2 (AUCKLAND DIVISION CANCER SOCIETY OF NEW ZEALAND INC) 19 March 1998 See Formula III on pages 5-6; claims</td>
<td>1-4</td>
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<tr>
<td>A</td>
<td>WO 2004/069201 A2 (MEDLOGICS DEVICE CORPORATION) 19 August 2004 See abstract; page 8 lines 2-7; claims especially claim 23</td>
<td>1-12</td>
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<td>A</td>
<td>WO 2003/097635 A1 (AUCKLAND UNISERVICES LIMITED) 27 November 2003 See abstract; claims; scheme 1; page 11 line 3, pages 21-28</td>
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</table>

| X | Further documents are listed in the continuation of Box C | X See patent family annex |

* Special categories of cited documents
  - 'A' document defining the general state of the art which is not considered to be of particular relevance
  - 'E' earlier application or patent but published on or after the international filing date
  - '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)
  - '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
  - '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
  - '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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  - 'Z' document member of the same patent family

Date of the actual completion of the international search: 11 June 2008

Date of mailing of the international search report: 13 JUN 2008

Name and mailing address of the ISA/AU

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<td>A</td>
<td>WO 2003/035061 A1 (BIOVITRUM AB) 1 May 2003 See abstract; claims; pp 1-4, page 13 line 3 to page 14 line 4</td>
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<td>A</td>
<td>WO 2002/044152 A1 (F. HOFFMANN-LA ROCHE AG; VERNALIS RESEARCH LIMITED) 6 June 2002 See abstract; claims; page 1 lines 1-10; page 3 lines 8-21, pages 9-10 and 32-46</td>
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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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<td>US 6479534 US 2002183349 ZA 200302516</td>
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Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.