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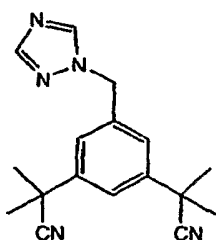
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(54) Title: PROCESS FOR THE PREPARATION OF ANASTROZOLE



Anastrozole

(57) Abstract: A process for preparing Anastrozole is provided. In the process the steps of a. combining 3,5-bis (2-cyanoisopropyl)toluene, a solvent selected from the group consisting of acetonitrile, dichloromethane and chlorobenzene, a brominating reagent selected from a group consisting of N-romosuccinimide and 1,3-dibromo-5,5-dimethylhydantoin, and 2,2'-azobis(2-methylpropionitrile); b. heating; c. combining with 1,2,4-triazole, a solvent selected from a group consisting of N-methylpyrrolidine, dimethylformamide, mixtures of NMP and DMF, dimethylsulfoxide, mixtures of DMSO and toluene, acetone, ACN, and tetrahydrofuran, a base selected from a group consisting of NaOH, KOH, K<sub>2</sub>CO<sub>3</sub>, and Na<sub>2</sub>CO<sub>3</sub>, and 1,3-benzendiaceonitrile-5-(bromomethyl)- $\alpha$ ,  $\alpha$ ,  $\alpha$ ,  $\alpha$ -tetramethyl, at a temperature below -20°C are performed.

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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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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)  
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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 practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 935 437 A (EDWARDS ET AL) 19 June 1990 (1990-06-19) columns 8-9; example 1 -----	1-90
A	GE Z ET AL: "IMPROVED SYNTHETIC METHOD OF ANTICANCER DRUG ANASTROZOLE" ZHONGGUO YAOWU HUAXUE ZAZHI - CHINESE JOURNAL OF MEDICINAL CHEMISTRY, GAI-KAI BIANJIBU, SHENYANG, CN, vol. 13, no. 3, 2003, pages 146-152, XP009067261 ISSN: 1005-0108 abstract; figure 1 -----	1-90
P, X	US 2006/035950 A1 (ALNABARI MOHAMMED ET AL) 16 February 2006 (2006-02-16) pages 3-4; figure 3 ----- -/--	1-90

Further documents are listed in the continuation of Box C.

See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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