



US007901718B2

(12) **United States Patent**
Duranti et al.

(10) **Patent No.:** **US 7,901,718 B2**
(45) **Date of Patent:** **Mar. 8, 2011**

(54) **PROCESS FOR THE EXTRACTION,
PURIFICATION AND ENZYMATIC
MODIFICATION OF SOY 7S GLOBULIN α'
SUBUNIT FOR USE AS
HYPOCHOLESTEROLEMIZING AGENT**

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(57) **ABSTRACT**

A process for the extraction, purification and enzymatic modification of β -conglycinin α' subunit, wherein β -conglycinin is selectively extracted from ground, defatted soy, then precipitated by treatment with aqueous ethanol; the enriched fraction is then subjected to Metal Affinity Chromatography (MAC) in denaturant conditions to obtain the α' subunit, which is treated with chymotrypsin, then subjected to a further MAC to recover the amino-terminal region of this polypeptide (MW 28,000 Da).

8 Claims, 2 Drawing Sheets

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 75 days.

(21) Appl. No.: **12/104,473**

(22) Filed: **Apr. 17, 2008**

(65) **Prior Publication Data**
US 2008/0261885 A1 Oct. 23, 2008

Related U.S. Application Data

(62) Division of application No. 10/502,582, filed as application No. PCT/EP03/00798 on Jan. 27, 2003, now Pat. No. 7,465,467.

(30) **Foreign Application Priority Data**
Jan. 29, 2002 (IT) MI2002A000147

(51) **Int. Cl.**
A61K 36/48 (2006.01)
(52) **U.S. Cl.** **424/757**
(58) **Field of Classification Search** None
See application file for complete search history.

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