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(12) United States Patent

Cotton et al.

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(54) FORM OF S-OMEPRAZOLE

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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 0 days.

This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

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May 30, 1997

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C07D 401/12	(2006.01)
A61K 31/4439	(2006.01)

(52) U.S. Cl. 546/273.7; 514/338 (58) Field of Classification Search 514/338; 546/273.7

See application file for complete search history.

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X-ray powder diffraction pattern of Mg-salt of S-omeprazole trihydrate depicted by Torrent obtained by method of WO 94/27988. NDA 21-153/S-020 for Nexium® (esomeprazole magnesium) Delayed Release Capsule.

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Statement with Exhibits A-C on Behalf of the Applicant, AstraZeneca AB, to the Opposition filed by Ranbaxy Laboratories Limited against Indian Patent Application No. 1344/DEL/98.

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(57)ABSTRACT

The present invention relates to a novel form of the (-)enantiomer of 5-methoxy-2[[(4-methoxy-3,5-dimethyl-2pyridinyl)-methyl]sulfinyl]-1H-benzimidazole, i.e. S-omeprazole. More specifically, it relates to a novel form of the magnesium salt of the S-enantiomer of omeprazole trihydrate. The present invention also relates to processes for preparing such a form of the magnesium salt of S-omeprazole and pharmaceutical compositions containing it. Furthermore, the present invention also relates to new intermediates used in the process.

4 Claims, 5 Drawing Sheets

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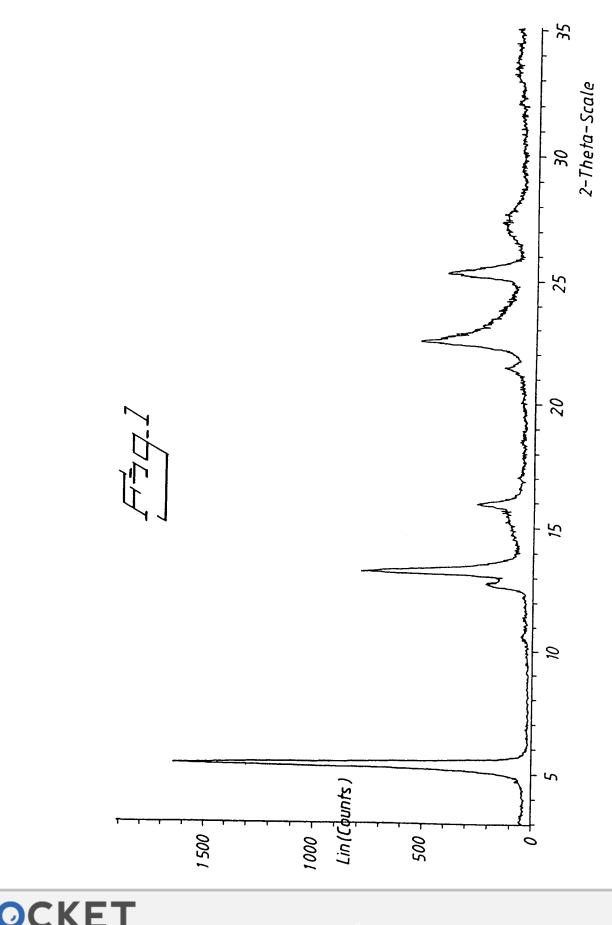
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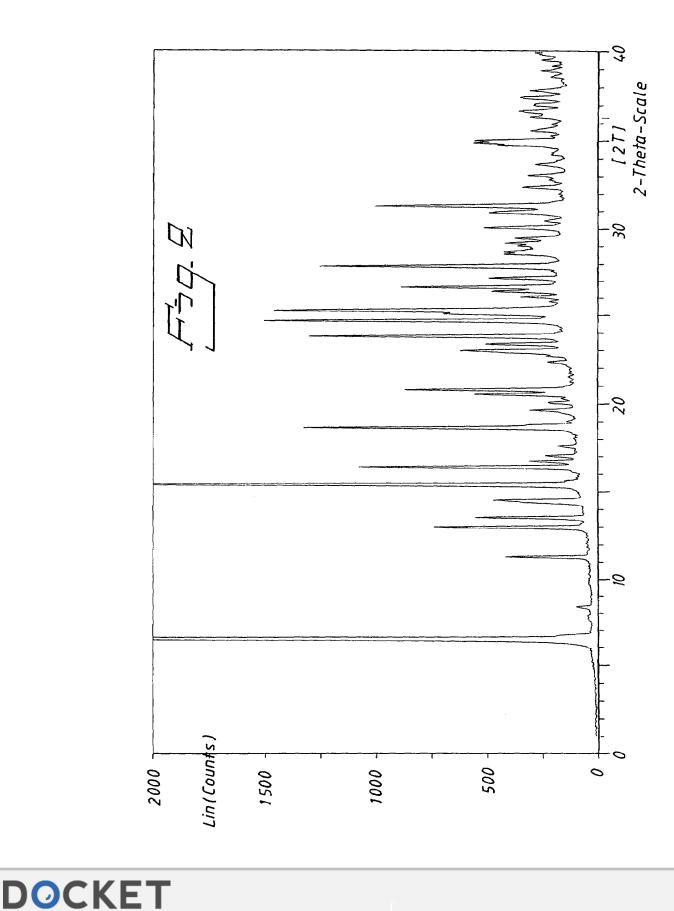


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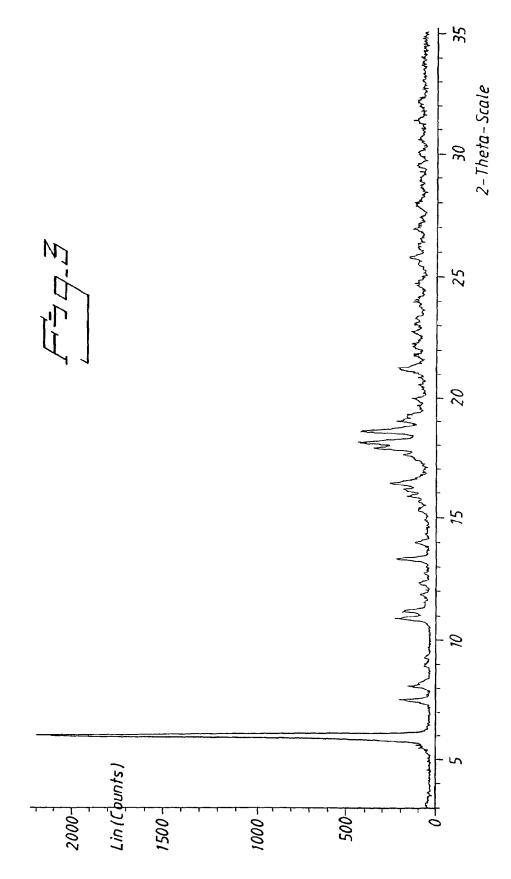
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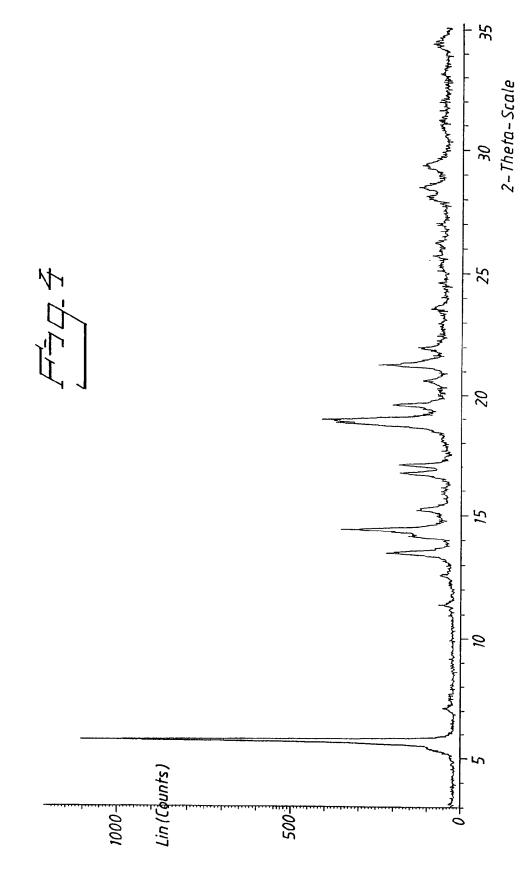
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