

Title (en)
SLOW-ACTING INSULIN PREPARATIONS

Title (de)
LANGSAMWIRKENDE INSULINZUBEREITUNGEN

Title (fr)
PRÉPARATIONS D'INSULINE À EFFET RETARD

Publication
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Application
EP 10726993 A 20100702

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Abstract (en)
[origin: WO2011003823A1] The invention relates to aqueous pharmaceutical formulations having an insulin analog, said formulations comprising 0.001 to 0.2 mg/ml of zinc, 0.1 to 5.0 mg/ml of a preservative, and 5.0 to 100 mg/ml of an isotonic agent, and the pH value of which is 5 or less. The invention further relates to the production thereof, the use thereof for treating diabetes mellitus, and a medication for treating diabetes mellitus.

IPC 8 full level
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A61K 9/0019 (2013.01 - EP US); **A61K 47/10** (2013.01 - EP US); **A61P 3/10** (2017.12 - EP); **A61P 5/50** (2017.12 - EP);
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Citation (search report)
See references of WO 2011003823A1

Citation (examination)
• US 6100376 A 20000808 - DOERSCHUG MICHAEL [DE]
• WO 2007081824 A2 20070719 - UNIV CASE WESTERN RESERVE [US], et al
• WO 8910937 A1 19891116 - NOVO NORDISK AS [DK]
• MARKUSSEN J ET AL: "SOLUBLE, PROLONGED-ACTING INSULIN DERIVATIVES. I. DEGREE OF PROTRACTION AND CRYSTALLIZABILITY OF INSULINS SUBSTITUTED IN THE TERMINI OF THE B-CHAIN", PROTEIN ENGINEERING, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 1, no. 3, 1 June 1987 (1987-06-01), pages 205 - 213, XP000000187, ISSN: 0269-2139

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