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(54) **ACIDIC INSULIN PREPARATIONS HAVING IMPROVED STABILITY**

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(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to a pharmaceutical formulation comprising a polypeptide selected from the group consisting of insulin, an insulin metabolite, an insulin analog, an insulin derivative and combinations thereof; a surfactant or combinations of two or more surfactants; optionally a preservative or combinations of two or more preservatives; and optionally an isotonicizing agent, buffers or further excipients or combinations thereof, the pharmaceutical formulation having a pH in the acidic range.