

Title (en)

METHOD FOR THE COMPARATIVE ANALYSIS OF PROTEIN PREPARATIONS BY MEANS OF NUCLEAR MAGNETIC RESONANCE

Title (de)

VERFAHREN ZUR VERGLEICHENDEN ANALYSE VON PROTEINZUBREITUNGEN MITTELS KERNMAGNETRESONANZ

Title (fr)

METHODE D'ANALYSE COMPARATIVE DE PREPARATIONS PROTEIQUES PAR RESONANCE MAGNETIQUE NUCLEAIRE

Publication

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Application

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Abstract (en)

[origin: WO2011080492A1] The invention relates to a method for the comparative analysis and control of the quality of a protein preparation by means of nuclear magnetic resonance (NMR) spectrometry. This method can be used to compare three-dimensional protein conformations in different protein preparations without requiring the samples to undergo any particular preparation. In particular, the method can be used to determine if a selected protein is in the same three-dimensional conformation in different protein preparations, if it is degraded in the formulation or if it is interacting with some of the excipients present. Specifically, the method can be used for the analysis and control of the quality of therapeutic compounds, particularly biodrugs or biosimilars, in different samples, without altering said samples.

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