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(54) Titre : PROCEDE POUR PURIFIER L'ERYTHROPOIETINE PEGYLEE

(54) Title: METHOD FOR PURIFYING PEGYLATED ERYTHROPOIETIN

(57) **Abrégé/Abstract:**

Herein is reported a method for the purification of a protein comprising erythropoietin and a single poly (ethylene glycol) residue from reaction by-products or not reacted starting material by a cation exchange chromatography method. It has been found that by employing a cation exchange SP Sephacryl S 500 HR chromatography material conditioned to a conductivity of 21 m S/cm and a linear gradient elution a fusion protein of erythropoietin and a single poly (ethylene glycol) residue can be obtained in a single step with high purity and yield.

