Title (en)

A MULTISTAGE PROCESS FOR THE PREPARATION OF HIGHLY PURE DEFEROXAMINE MESYLATE SALT

Title (de)

MEHRSTUFIGES VERFAHREN ZUR HERSTELLUNG VON HOCHREINEM DEFEROXAMIN-MESYLAT-SALZ

Title (fr)

PROCEDE A ETAPES MULTIPLES POUR LA PREPARATION DE SEL DE DEFEROXAMINE SOUS FORME DE METHANESULFONATE

Publication

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Application

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Abstract (en)

[origin: WO0140164A1] The present invention provides a purification process whereby deferoxamine B produced by a microorganism and in mixture with other polyhydroxamates produced by the microorganism may be converted into its mesylate salt substantially free of the other polyhydroxamates and substantially free of chloride ion. The process includes adsorption and desorption of the deferoxamine B on an adsorption resin, direct precipitation of the deferoxamine free base out of the eluent from the adsorption resin, contacting of the deferoxamine B free base with methanesulfonic acid and isolation of the deferoxamine B mesylate salt by precipitation. This process minimizes decomposition of deferoxamine B.

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