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(54) Title: PROCESS FOR THE PREPARATION OF DISPERSIONS COMPRISING INHALABLE IMMUNOSUPPRESSIVE ACTIVE INGREDIENTS

(57) Abstract: The present invention relates to a process for the preparation of a dispersion comprising an inhalable immunosuppressive macrocyclic active ingredient in liposomally solubilized form in an aqueous carrier liquid, the process comprising the steps of a) providing a mixture comprising - the inhalable immunosuppressive macrocyclic active ingredient; - a membrane-forming substance selected from the group of phospholipids; - a solubility-enhancing substance selected from the group of non-ionic surfactants; - optionally one or more excipients; and - the aqueous carrier liquid; b) dispersing the mixture as provided in step a) to form an intermediate aqueous dispersion comprising the inhalable immunosuppressive macrocyclic active ingredient in the aqueous carrier liquid; and c) homogenizing the intermediate aqueous dispersion as formed in step b) to form the dispersion comprising the inhalable immunosuppressive macrocyclic active ingredient in liposomally solubilized form.



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