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(54) Title: STABLE PARTICLE IN LIQUID FORMULATIONS

(57) Abstract

A stable particle in liquid formulation comprising a discontinuous phase of microparticles is suspended in a continuous phase which is a non–aqueous liquid, preferably biocompatible in which the microparticles are insoluble. The microparticles comprise finely powdered sugar glass selected from the group consisting of trehalose, palatinit, glucopyranosyl sorbitol, glucopyranosyl mannitol, lactitol and monosaccharide alcohols such as mannitol and inositol, holding at least one biomolecular product, the biomolecular product in the sugar glass either being in stable solid solution or being itself in suspension in the sugar glass. A monodisperse single–particle suspension of microparticles can be produced in the non–aqueous continuous liquid phase by inclusion in the continuous phase of at least one surfactant having a low or very low HLB.

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