



ABSTRACT

STABILIZED PROTEIN CRYSTALS, FORMULATIONS CONTAINING THEM
AND METHODS OF MAKING THEM

5 This invention relates to methods for the stabilization, storage and delivery of
biologically active macromolecules, such as proteins, peptides and nuclei acids. In
particular, this invention relates to protein or nucleic acid crystals, formulations and
compositions comprising them. Methods are provided for the crystallization of proteins
and nucleic acids and for the preparation of stabilized protein or nuclei acid crystals for
10 use in dry or slurry formulations. The present invention is further directed to
encapsulating proteins, glycoproteins, enzymes, antibodies, hormones and peptide
crystals or crystal formulations into compositions for biological delivery to humans and
animals.

No Figure



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