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Patent Search

Invention Title	FORMULATION OF TENODOVIR LOADED SOLID LIPID NANOPARTICLES USING BIOLIPID FROM COCOA BUTTER
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Abstract:

The current invention explain novelistic method isolation of lipid fraction from cocoa butter and its characterizations and this invention also explain methodology for isolation preparation of tenofovir loaded solid lipid nanoparticles using biolipid fraction from cocoa butter, stabilizing agent and other co processing agent .the biolipid ! fraction was isolated from the cocoa butter by simplify economical method and subjected I-' for its UV ,IR,DSC and SEM analysis in order to confirm the structure, the tenofovir loaded lipid nanoparticle prepared by using hot sonication technique. The formulation were significant retards for extended period of 36 hrs.

Complete Specification

BACKGROUND OF INVENTION:

BIO-LIPID:

Bio-lipid are the polymer containing monomelic units that are covalently bonded to form larger structures. There are three main classes of biopolymers based on the differing monomelic units used and the structure of the biopolymer formed. Polynucleotide's long polymers which are composed of 13 or more nucleotide monomers, Polypeptides short polymers of amino acids, and Polysaccharides which are often linear bonded polymeric carbohydrate structures.

Biopolymers are polymers that are biodegradable. The input materials for the production of these polymers may be either renewable (based on agricultural plant or animal products) or synthetic.

There are four main types of biopolymer respectively Starch, Sugar ,Cellulose,Synthetic materials. A major but defining difference between biopolymers and other polymers can be found in their structures. All polymers are made of repetitive units called monomers. Biopolymers often have a well-defined structure, though this is not a defining characteristic. The !

exact [

chemical composition and the sequence in which these units are arranged is called the primary

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