Pcp Disso V3 Software

distek's disso v3 is a complete solution for dissolution testing. it supports systems that are up-to-date with the latest cdrh dissolution guidelines. this includes the ability to analyse multiple dissolution profiles at once, compare multiple profiles at once, generate automatic reports with comparative diagrams, and export results to ms excel. most of the basic functions are being tested for compliance with cdrh guidelines. the comparative pharmacokinetic parameters of efv suspension and optimized snedds after oral administration are given in table iii. the tmax of optimized snedds was much higher than that of efv suspension. present results indicate that it is possible to improve the bioavailability of efv if given in the form of snedds. these results were steady with the results from the in vitro dissolution study, indicating that the differences in efv absorption is primarily accredited to the dissolution profile of efv. surfactants help to improve permeability of drugs by maculating tight junctions among the cells and distribute the drug across the cell membrane (30). oils with medium-chain mono- and di-glycerides, i.e., labrafil m 2125 cs, have superior solubilization potential for hydrophobic drugs and permeation-enhancing properties (28). improved bioavailability of efv was due to medium-chain mono- and di-glycerides. dissov3 was used to calculate dissolution parameters and generate dissolution profiles. the software also calculates the percentage of drug released in 60, 90, 120, and 240 minutes for each experiment. the software also generates the dissolution profile of a reference product; assume that the reference product has uniform dissolution profile for all the time intervals. the percentage of drug released in each time interval can be calculated by subtracting the drug released at the reference time point from the actual percent release at each time interval.

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plasma samples were analyzed for the content of efv by the hplc system composed of uv/vis detector (jasco uv 975). chromatographic separation was achieved on a hypersil ods (2504.6mm i.d., 5m) column and protected by guard column at ambient temperature. the isocratic

mobile phase composed of acetonitrile and 50mm potassium phosphate (55:45v/v) and ph was adjusted to 4.3 with orthophosphoric acid. atorvastatin was used as internal standard. the flow rate and detection wavelength were 1ml/min and 250nm, respectively. the software used was jasco borwin version 1.5 lc-netll/adc system (24). the various pharmacokinetic

parameters like maximum peak plasma (c max), maximum time to reach peak concentration (t max), and area under curve (auc) were analyzed. the designed screens are easy to follow and are highly customizable. moreover, using this software creates a lot of documentation that is required in any pharmaceutical product development. in addition, it

records all the required information like the time, date, and operator. it also maintains records and facilitates the data consolidation and visualization. the present study is an attempt to develop and evaluate the potential of sodium taurocholate-based snedds formulation of efv as an oral solid dispersion system. the objective of the study was to develop

and evaluate the potential of sodium taurocholate-based snedds formulation of efv as an oral solid dispersion system. the potential of this system was to improve the solubility, dissolution, and bioavailability of the drug. in the present investigation, solid dispersion techniques were applied to prepare the efv-based snedds. snedds was prepared using various

solvents, surfactants, and co-surfactants and optimized by the application of response surface methodology. the physicochemical properties of the prepared snedds were evaluated by fourier transform infrared spectroscopy, differential scanning calorimetry, particle size, zeta potential, and polydispersity index. the dissolution test was done

using the usp dissolution apparatus ii, and the drug release data were analyzed by non-fickian model to obtain the dissolution profile of the prepared formulation. 5ec8ef588b

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