

New Approaches in Nanotechnology in Pharmaceutical Forms

Kleva Shpati¹

Entela Muca

¹ NanoAlb, Albanian University

k.shpati@albanianuniversity.edu.al

Nowadays, nanotechnology is used more and more frequently in formulation of pharmaceutical forms, thus improving in its delivery by resulting the maximum of plasma concentration of active ingredients. This approach improves the pharmaceutical forms such as suspension, granules, ointments, tablets.

The aim of this study is to bring awareness that well-known active ingredients with well-known pharmaceutical forms may have clinical significance.

Materials and methods: Well-known formulations were taken and substituted with excipients through a new method of technology. The chemical results are improved according to USP Pharmacopeas Standards.

Results: The pharmaceutical forms have given stability, purity, disintegration and disolution of study forms and are under the process to be in formulation for registration for the final products.

Conclusion: Nanotechnology methods improve the stability of the forms and clinical efficiency by reducing toxicity that is the goal of pharma industry.

Keywords: Nanotechnology, efficiency, stability, excipients.