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Increasing drug bioavailability and solubility

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The major problems encountered in drug formulation is basically the issue of poor solubility of drug molecules and reduced bioavailability. However, the emergence of nanosuspension has come a long way to combat the downscale of delivering water-insoluble drugs. A remarkable milestone in the discovery and usage of nanosuspension is also the ability to improve drug efficacy and safety through alteration in the pharmacokinetic property of drugs. This short article aims to explain the preparatory technique, characteristics and application of nanosuspension in modern day science vis a vis traditional delivery methods.

Biography

Gbemisola Zainab Adeneye is a young, intelligent licensed clinical Pharmacist in Nigeria. She studied Pharmacy at the Olabisi Onabanjo University from where she had a bachelor's degree in Pharmacy. She had her clinical pharmaceutical attachment at the prestigious University College Hospital Ibadan where she worked at the Opioids and Oncology Department. She worked as a top-ranked pharmaceutical official at Dabak pharmaceuticals, Nigeria, a growing promising International Drug company involved in the formulation, production and trade where she was actively involved in Quality control and Assurance. She is an active member of Pharmacist Council of Nigeria. She is also a member of Sidcain (Strategy for Improving Diabetes care in Nigeria).

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