HYPOTHESIS

During the process of manufacturing of pharmaceutical drug substances there are impurities in the starting materials such as isomers of compounds, degradations, solvent, catalyst etc. which further reacts to form impurities in the intermediates and carry over of these impurities are seen in the final drug substance. Hence these drug molecules should be scanned for impurities, isolated or synthetically prepared. They are characterized for its toxicity and effects on the patient can be studied or monitored. Spectroscopy is the powerful tool which is used widely world wide for quick characterization of unknown impurities in Drug substance.