

Analysis of Anti-Diabetic Drugs using Different Analytical Techniques [†]

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Abstract: Anti-diabetic drugs are used to cure diabetes mellitus. It is a type of metabolic disorder caused by increased sugar levels in the blood. There are two types of diabetes mellitus *i.e.* Type 1 diabetes mellitus, in which the body does not produce insulin, and Type 2 diabetes mellitus, in which the body is unable to use insulin properly to transfer glucose. For the analysis of such anti-diabetic drugs, different analytical techniques have been used, such as UV visible spectroscopy, High-Performance Liquid Chromatography (HPLC), High-Pressure Thin Layer Chromatography (HPTLC), and Infrared spectroscopy (IR). This review analyzes some anti-diabetic drugs like Metformin Hydrochloride, Voglibose, Pioglitazone, Repaglinide, and Rosiglitazone using the above analytical techniques discussed.

Keywords: anti-diabetic drugs; analysis; techniques.

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Conflicts of Interest

The authors declare no conflict of interest.