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Development and validation of a bio analytical method by HPLC-DAD for simultaneous determination of Efavirenz, Lopinavir and Ritonavir in human plasma

Jenny P Castro

University of Cartagena, Colombia

Acquired Immunodeficiency Syndrome (AIDS) is an infectious disease caused by the human immunodeficiency virus (HIV) and transmitted in most cases through unprotected sexual intercourse with infected individuals. The Antiretroviral Therapy (ARVT) accompanied by the therapeutic monitoring of drug plasma concentrations, allows an adequate and effective follow-up in each patient. A reliable analytical method for measuring ARV drugs in biological matrix is an important prerequisite. We describe the validation of a bio analytical methodology by HPLC-DAD for the simultaneous determination of Efavirenz (EFV), Lopinavir (LPN) and Ritonavir (RTV) in human plasma.

Biography

Jenny P Castro works in the field of development of bio analytical and analytical methods and validation of drugs, natural extract and its separations by chromatography.

jcastrog@unicartagena.edu.co

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