

Current Trends in Mass Spectrometry & Purification Techniques

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EDITORIAL NOTE

Mass Spectrometry & Purification Techniques is an open access journal and the main aim of this journal to provide a platform for scientists, researchers in industry and academia all over the world to present their new ideas, discuss new strategies, and promote developments in all areas of Mass Spectrometry & Purification Techniques. Articles from all fields of scientific research in which purification techniques and mass spectrometry can play a key role will be considered. The fields include chemistry, physics, geology, environmental science, biological, health and life sciences. It is a scholarly Open Access journal and aims to publish the reliable source of information on the advanced research topics in the field of mass spectrometry & purification techniques.

The journal is intended to be comprehensive, and its main aim is to publish papers on both fundamentals and applications of mass spectrometry include instrumentation principles, design, and demonstration, chemical kinetics, mechanisms of ionization, theory of ion fragmentation, cluster ions, potential energy surfaces, and modeling, studies of thermodynamic properties, ion spectroscopy, structures and chemical properties of gas-phase ions.

Mass Spectrometry application subjects include structural elucidation, biopolymer sequencing, development or validation of new methodology, prote Longdom Publishing SL, environmental and forensic measurements. Purification topics as chromatographic separation, protein purification, antibody purification, antigen fractionation, affinity purification, Liquid-Liquid extraction, adsorption, filtration, centrifugation, evaporation, crystallization, recrystallization, bioleaching protein purification, smelting, refining, distillation, water purification, electrolysis and downstream processing.

Mass Spectrometry & Purification Techniques journal is a scholarly Open Access journal maintains high standards of scientific excellence and its editorial board promises a rapid peer review process with the help of the Editorial Manager System. Manuscripts are accepted for publication only if at least two reviewers agree on the scientific quality of the manuscript.

Mass Spectrometry & Purification Techniques Journals are at higher echelons that enhance the intelligence and information dissemination on topics closely related to mass spectrometry and purification techniques. The Journal provides a unique forum dedicated to scientists to express their research articles, review articles, case reports and short communications on an array of mass spectrometry and purification research. Mass Spectrometry & Purification Techniques Peer Reviewed Journal is proficiently supported by universally prominent Editorial Board members. Abstracts and full texts of all articles published by the journal Mass Spectrometry & Purification Techniques or methods are freely accessible to everyone immediately after publication.

Kakarla R, et al. Speaks that We have successfully developed a dilute-and-shoot flow injection MS/MS method for the quantification of GCA in human bile using standard addition. Our method has been validated for linearity, accuracy, precision, matrix effects, LLOQ and carryover according to the FDA guidelines. His method offers several benefits for clinical use. First, it does not require tedious sample purification prior to analysis. Our method utilizes simple dilution for sample preparation, while not compromising on sensitivity even after 800,000-fold dilution.

Second, our method is accurate and precise without the use of LC separation, eliminating the carryover problem that which would otherwise require frequent washing to maintain the column condition. Third, our method does not necessitate a blank bile matrix that is virtually impossible to obtain but is required for the conventional quantitation method. In addition, our method is fast with a run time of only 2.5 min, enabling high throughput analyses of over 500 samples a day. To the best of our knowledge, this is the first flow injection MS/MS method developed for quantifying GCA in human bile[1].

REFERENCES

1. Kakarla R, Voggu RR, Donaldson J, Guo B. A Simple Dilute-and-Shoot Flow-Injection Mass Spectrometric Method for Quantification of Glycocholic Acid in Human Bile. *Mass Spectrom Purif Tech.* 2019;5(1):1-8.

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