

The Ever Expanding Role for the Definitive Structure Elucidation of Drug Metabolites, Degradates, and Trace Impurities in the Pharmaceutical Industry

The ability to swiftly and accurately determine the molecular structure of drug metabolites and other sample-limited compounds (such as degradates and trace impurities) has become quite challenging as sample size is reduced down to the nanomole range or below. Consequently, alternative research strategies and novel analytical techniques have recently been utilized to address this issue. This new approach has been shown to have an immediate and dramatic impact on the discovery and development of new drug entities. The goal of this roundtable is to encourage a healthy discussion on the state of the definitive structure elucidation of drug metabolites as well as discuss new strategies to deal with this challenging dilemma.