



Showcasing research from Professor Abraham K. Badu-Tawiah's laboratory, Department of Chemistry and Biochemistry, The Ohio State University, Columbus, OH 43210, USA.

Charge inversion under plasma-nanodroplet reaction conditions excludes Fischer esterification for unsaturated fatty acids: a chemical approach for type II isobaric overlap

The fusion of electrical plasma discharge with charged nanodroplets during nano-electrospray ionization mass spectrometry enables selective Fischer esterification for saturated fatty acids but not unsaturated fatty acids. This phenomenon provides a simple but effective chemical approach to overcome Type II isobaric overlap in direct infusion mass spectrometry.

As featured in:



See Abraham K. Badu-Tawiah *et al.*, *Chem. Sci.*, 2024, 15, 914.