In this issue

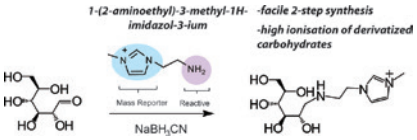
Yao Y. Zhang[a], Ahmed M. Senan[a], Ting Wang, Li Liu and Josef Voglmeir

1-(2-Aminoethyl)-3-methyl-1*H*-imidazol-3-ium tetrafluoroborate: synthesis and application in carbohydrate analysis

https://doi.org/10.1515/pac-2019-0117
Pure Appl. Chem. 2019; 91(9): 1441–1450

Conference paper: 1-(2-aminoethyl)-3-methyl-1*H*-imidazol-3-ium tetrafluoroborate ([MIEA][BF_4]) was successfully synthesized and applied as a labeling reagent for glycan profiling and identification using mass spectrometry.

Keywords: glycan analysis; HILIC separation; ICS-29; imidazolium salts; ionic liquids.



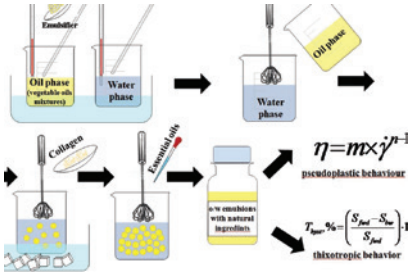
Elena Dănilă, Zenovia Moldovan, Mădălina Georgiana Albu Kaya and Mihaela Violeta Ghica

Formulation and characterization of some oil in water cosmetic emulsions based on collagen hydrolysate and vegetable oils mixtures

https://doi.org/10.1515/pac-2018-0911
Pure Appl. Chem. 2019; 91(9): 1493–1507

Conference paper: Preparation and characterization of topical oil in water cosmetic emulsions based on natural ingredients.

Keywords: Chemistry for Beauty and Health 2018; O/W cosmetic emulsions; rheology; thixotropy; vegetable oils.



Rita Del Pezzo, Nuno A.G. Bandeira, Anna Trojanowska, Susana Fernandez Prieto, Todd Underiner, Marta Giamberini and Bartosz Tylkowski

Ortho-substituted azobenzene: shedding light on new benefits

https://doi.org/10.1515/pac-2018-0719
Pure Appl. Chem. 2019; 91(9): 1533–1546

Conference paper: Photosensitive microcapsules that reversibly switch upon visible light irradiation are attractive targets for drug delivery, fragrance release and pesticide delivery. In this study we report the development of visible light triggered microcapsules and demonstrate the concept of protection and remote release of a model, non-toxic perfume oil. Polyamide microcapsule shells containing visible light-sensitive ortho-substituted azobenzene moieties in the main chain of the polymer were prepared by oil-in-water interfacial polymerization method.

Keywords: Chemistry for Beauty and Health 2018; interfacial polymerization; microcapsules; ortho-substituted azobenzene.