

Internal Webinar

N⁺ Cations: Rich and Poor at the Same Time

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N⁺ cations, accepting electron density from two nucleophilic ligands like *N*-Heterocyclic carbenes are isoelectronic to carbones. Such compounds are known as nitreones or divalent N(I) compounds, unlike carbones are poor nucleophiles. This property of such compounds makes them highly applicable in medicinal chemistry and phase transfer catalysis. Learning from the chemistry of nitreones, we have extended this further to NHC stabilized (NHC)→N₃⁺←(NHC) triazenyl cations and to NHC stabilized guanidinium cations. In this talk, theoretical and experimental aspects of these compounds will be discussed.

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02:30 PM