



Showcasing research from Todd Hudnall's Laboratory in the Department of Chemistry and Biochemistry, Texas State University, San Marcos, Texas, USA

Cyclic (aryl)(amido)carbenes: pushing the  $\pi$ -acidity of amidocarbenes through benzannulation

The  $\pi$ -acidity of amido carbenes can be pushed to the extreme through annulation to an aromatic ring. This results in a lowering and raising of the LUMO and HOMO energy levels, respectively, and provides access to exceptionally electrophilic carbenes with small singlet-triplet gaps. Such compounds exhibit unique chemical reactivity as described in the manuscript.

As featured in:



See M. Brenton Gildner and Todd W. Hudnall, *Chem. Commun.*, 2019, 55, 12300.