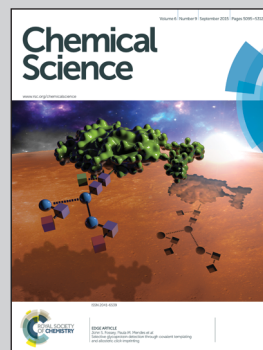


Showcasing research from Prof. David M. Chenoweth's laboratory, Department of Chemistry, University of Pennsylvania, Philadelphia, USA.

Triple aryne–tetrazine reaction enabling rapid access to a new class of polyaromatic heterocycles

Arynes are highly reactive intermediates with vast potential for rapid access to complex polyaromatic systems. Despite this potential, taming the reactivity of arynes for tandem and multicomponent reactions has been difficult. The triple aryne–tetrazine reaction combines multiple consecutive mechanistic steps into a one-pot reaction, providing rapid access to a new class of dibenzocinnoline heteroaromatic systems in a straightforward manner from simple starting materials.

As featured in:



See David M. Chenoweth et al.,
Chem. Sci., 2015, 6, 5128.



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