

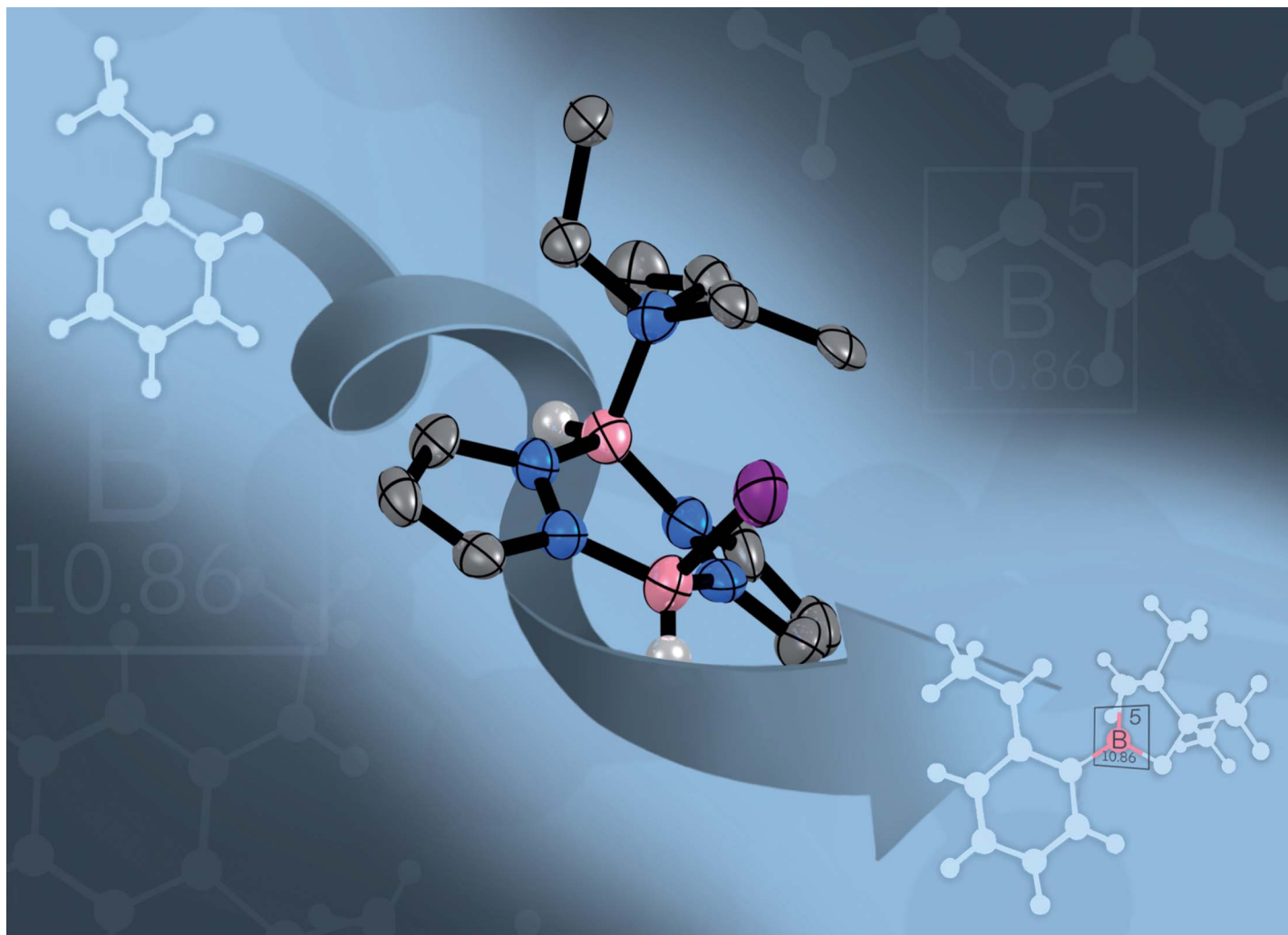
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Fundamental questions
Elemental answers



Showcasing research from the Ingleson Group at the School of Chemistry, University of Edinburgh, United Kingdom.

Borylation directed borylation of *N*-alkyl anilines using iodine activated pyrazaboles

A doubly electrophilic pyrazabole derivative (pyrazabole = $[H_2B(\mu-C_3N_2H_3)]_2$), activated with I_2 , was found to effect the ortho-borylation of *N*-alkyl-anilines in the presence of Et_3N . This methodology represents a metal free transiently directed C-H borylation approach to form *N*-alkyl-2-BPin-aniline derivatives. In addition, this work includes mechanistic studies of doubly electrophilic pyrazabole systems that led us to use the aforementioned.

As featured in:



See M. J. Ingleson *et al.*, *Chem. Sci.*, 2023, **14**, 12041.