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Title:	Phosphine-catalysed denitrative rearomatising (3 + 2) annulation of α,β -ynones and 3-nitroindoles
Authors:	Dutta, Lona (/jspui/browse?type=author&value=Dutta%2C+Lona) Chattopadhyay, Anwita (/jspui/browse?type=author&value=Chattopadhyay%2C+Anwita) Yadava, Nisha (/jspui/browse?type=author&value=Yadava%2C+Nisha) Ramasastry, S. S. V. (/jspui/browse?type=author&value=Ramasastry%2C+S.+S.+V.)
Keywords:	Phosphine-catalysed denitrative rearomatising
Issue Date:	2022
Publisher:	Royal Society of Chemistry
Citation:	Organic and Biomolecular Chemistry, 21(4), 738- 742.
Abstract:	We describe a metal-free strategy to access various α -arylidene cyclopenta[b]indoles via phosphine-catalysed (3 + 2) annulation of α,β -ynones and 3-nitroindoles. For the first time, the rearomatisation of the indole nucleus was observed in such an annulative transformation. The method was extended to the synthesis of an antimalarial natural product, bruceolline E.
Description:	Only IISER Mohali authors are available in the record.
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