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Title:	Iridium-catalyzed [4 + 2] annulation of 1-arylidazolones with α -diazo carbonyl compounds: access to indazolone-fused cinnolines
Authors:	Markad, D. (/jspui/browse?type=author&value=Markad%2C+D.) Mandal, S.K. (/jspui/browse?type=author&value=Mandal%2C+S.K.)
Keywords:	Carbonyl compounds Electron-donating Activation analysis Iridium
Issue Date:	2018
Publisher:	Royal Society of Chemistry
Citation:	Organic and Biomolecular Chemistry, 16(44), pp. 8585-8595
Abstract:	An efficient one-pot Ir-catalyzed method was developed for the synthesis of indazolone-fused cinnolines by [4 + 2] annulation of 1-arylidazolones with α -diazo carbonyl compounds via sequential C–H activation/carbene insertion/cyclization in a tandem manner. This method has excellent tolerance towards electron-withdrawing and electron-donating functional groups on 1-arylidazolone. This method was also found to be applicable to cyclic α -diazo carbonyl compounds.
Description:	Only IISERM authors are available in the record.
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