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| Title: | Iridium-catalyzed [4 + 2] annulation of 1-arylindazolones with α-diazo carbonyl compounds: access to indazolone-fused cinnolines |
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| Abstract: | An efficient one-pot Ir-catalyzed method was developed for the synthesis of indazolone-fused cinnolines by [4 + 2] annulation of 1-arylindazolones 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-arylindazolone. This method was also found to be applicable to cyclic α-diazo carbonyl compounds. |
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