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Title:	Additive-Driven Rhodium-Catalyzed [4+1]/[4+2] Annulations of N-Arylphthalazine-1,4-dione with $\alpha$ -Diazo Carbonyl Compounds
Authors:	Mandal, S.K. (/jspui/browse?type=author&value=Mandal%2C+S.K.)
Keywords:	Carbonyl compounds Diazo carbonyl compounds Phthalazines Rhodium compounds Catalysis Atom efficiency
Issue Date:	2018
Publisher:	American Chemical Society
Citation:	Journal of Organic Chemistry, 83(19), pp. 11661-11673.
Abstract:	A Rh(III)-catalyzed strategy involving the [4+1] annulation of 2-arylphthalazine-1,4-diones with α-diazo carbonyl compounds was developed, accessing a series of unprecedented hydroxy-dihydroindazolo-fused phthalazines in good to excellent yields. By varying the additive, phthalazino-fused cinnolines were synthesized under Rh-catalyzed conditions via [4+2] annulation between the same starting materials. Notably, such two strategies showed a good functional group tolerance and high atom efficiency.
Description:	Only IISERM authors are available in the record.
URI:	https://pubs.acs.org/doi/10.1021/acs.joc.8b01630 (https://pubs.acs.org/doi/10.1021/acs.joc.8b01630) http://hdl.handle.net/123456789/1787 (http://hdl.handle.net/123456789/1787)
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