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Title:	NH4OAc-Promoted Cascade Approach towards Aberrant Synthesis of Chromene-Fused Quinolinones
Authors:	Markad, D. (/jspui/browse?type=author&value=Markad%2C+D.) Mandal, S.K. (/jspui/browse?type=author&value=Mandal%2C+S.K.)
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Citation:	European Journal of Organic Chemistry, 2019(4), pp. 705-714.
Abstract:	A concise cascade strategy for the synthesis of 6H-chromeno[4,3-b]quinolin-6-ones was developed from 4-hydroxycoumarins and arylhydrazine hydrochlorides in DMSO. The synthetic strategy relies on dual role of ammonium acetate in generating 4-aminophenyl coumarin from arylhydrazine via aryl radical formation, and Csp2-H formylation of coumarin using DMSO as a methine source. The strategy is scalable, and an array of arylhydrazine hydrochlorides delivered chromene-fused quinolinones in good to excellent yields.
Description:	Only IISERM authors are available in the record.
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