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Title:	Reactions of Enaminones with p-Quinone Methides: Access to 4H-Chromene and 4H-Chromen-4-one Derivatives
Authors:	Singh, Gurdeep (/jspui/browse?type=author&value=Singh%2C+Gurdeep) Sharma, Sonam (/jspui/browse?type=author&value=Sharma%2C+Sonam) Rekha (/jspui/browse?type=author&value=Rekha) Pandey, Rajat (/jspui/browse?type=author&value=Pandey%2C+Rajat) Singh, Rupali (/jspui/browse?type=author&value=Singh%2C+Rupali) Kumar, Tarunjeet (/jspui/browse?type=author&value=Kumar%2C+Tarunjeet) Anand, Ramasamy Vijaya (/jspui/browse?type=author&value=Anand%2C+Ramasamy+Vijaya)
Keywords:	Enaminones with p-Quinone Methides 4H-Chromene 4H-Chromen-4-one Derivatives
Issue Date:	2022
Publisher:	John Wiley & Sons
Citation:	European Journal of Organic Chemistry, 2022(32), 2200792.
Abstract:	A one-pot approach for the synthesis of oxygen-containing heterocycles such as 4H-chromenes and 4H-chromen-4-ones has been established through the reaction of enaminones with p-quinone methides (p-QMs). This transformation basically involves an acid-catalyzed 1,6-conjugate addition of enaminones to p-QMs followed by annulation. In the case of reaction between 2-hydroxyphenyl-substituted p-quinone methides and N,N-dimethyl enaminones, 4H-chromene derivatives were obtained in moderate to excellent yields. Similarly, the reaction between simple p-quinone methides and 2-hydroxyphenyl-substituted N,N-dimethyl enaminones led to 4H-chromen-4-one derivatives in good yields.
Description:	Only IISER Mohali authors are available in the record.
URI:	https://doi.org/10.1002/ejoc.202200792 (https://doi.org/10.1002/ejoc.202200792) http://hdl.handle.net/123456789/4993 (http://hdl.handle.net/123456789/4993)
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