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Title:	Facile access to novel chromeno-2,6,9-trioxabicyclo[3.3.1]nonadienes via tandem nucleophilic substitution and [4+2] hetero Diels–Alder reaction: experimental and theoretical study
Authors:	Shukla, Matsyendranath (/jspui/browse?type=author&value=Shukla%2C+Matsyendranath) Dorai, K. (/jspui/browse?type=author&value=Dorai%2C+K.)
Keywords:	Chromeno-2,6,9-trioxabicyclo[3.3.1]nonadienes 4-Chloro-3-formylcoumarin o-Hydroxyacetophenones DFT
Issue Date:	2013
Publisher:	Elsevier
Citation:	Tetrahedron, 69(9), pp.2142-2149.
Abstract:	An efficient synthesis of novel chromeno-2,6,9-trioxabicyclo-[3.3.1]nonadienes (CTOBN) scaffolds was achieved by mild base mediated reaction of 4-chloro-3-formylcoumarin and o-hydroxyacetophenones. The structure of the product was confirmed by X-ray analysis and the proposed mechanism was validated computationally at B3LYP/6-31G(d) level.
Description:	Only IISERM authors are available in the record.
URI:	<a href="https://www.sciencedirect.com/science/article/pii/S0040402013000203">https://www.sciencedirect.com/science/article/pii/S0040402013000203</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0040402013000203">https://www.sciencedirect.com/science/article/pii/S0040402013000203</a> ) <a href="http://hdl.handle.net/123456789/2963">http://hdl.handle.net/123456789/2963</a> ( <a href="http://hdl.handle.net/123456789/2963">http://hdl.handle.net/123456789/2963</a> )
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