



# Library Indian Institute of Science Education and Research Mohali



**DSpace@IISERMohali (/jspui/)**  
**/ Publications of IISER Mohali (/jspui/handle/123456789/4)**  
**/ Research Articles (/jspui/handle/123456789/9)**

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/2644>

Title:	An enantioselective organocatalytic intramolecular Morita–Baylis–Hillman (IMBH) reaction of dienones, and elaboration of the IMBH adducts to fluorenones
Authors:	Satpathi, B. (/jspui/browse?type=author&value=Satpathi%2C+B.) Wagulde, S.V. (/jspui/browse?type=author&value=Wagulde%2C+S.V.) Ramasastry, S.S.V. (/jspui/browse?type=author&value=Ramasastry%2C+S.S.V.)
Keywords:	Enantioselective Organocatalytic IMBH Fluorenones
Issue Date:	2017
Publisher:	Royal Society of Chemistry
Citation:	Chemical Communications, 53(57), pp. 8042-8045
Abstract:	An enantioselective organocatalytic intramolecular Morita–Baylis–Hillman (IMBH) reaction of dienones is reported for the first time. This has been achieved by incorporating entropy and synergy considerations during the substrate design. The reaction conditions are thoroughly verified for an efficient synthesis of highly functionalised cyclopenta-fused arenes and heteroarenes in excellent yields and enantioselectivities. The synthetic utility of the IMBH-adducts has been demonstrated by transforming them into 3,4-disubstituted fluorenones in a serendipitous manner.
URI:	<a href="https://pubs.rsc.org/en/content/articlelanding/2017/cc/c7cc02524f#!divAbstract">https://pubs.rsc.org/en/content/articlelanding/2017/cc/c7cc02524f#!divAbstract</a> ( <a href="https://pubs.rsc.org/en/content/articlelanding/2017/cc/c7cc02524f#!divAbstract">https://pubs.rsc.org/en/content/articlelanding/2017/cc/c7cc02524f#!divAbstract</a> ) <a href="http://hdl.handle.net/123456789/2644">http://hdl.handle.net/123456789/2644</a> ( <a href="http://hdl.handle.net/123456789/2644">http://hdl.handle.net/123456789/2644</a> )
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

## Files in This Item:

File	Description	Size	Format	
Need to add pdf.odt (/jspui/bitstream/123456789/2644/1/Need%20to%20add%20pdf.odt)		7.9 kB	OpenDocument Text	<a href="#">View/Open (/jspui/bitstream/123456789/2644/1/Need%20to%20add%20pdf.odt)</a>

[Show full item record \(/jspui/handle/123456789/2644?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/2644/statistics\)](#)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.