



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/123456789/4913>

Title:	Regiodivergent Synthesis of Cinnoline-Fused Indazolones through Pd-Catalyzed Annulation of 1-Arylindazolones with Allenates
Authors:	Mandal, Sanjay K. (/jspui/browse?type=author&value=Mandal%2C+Sanjay+K.)
Keywords:	Cinnoline-Fused Indazolones Pd-Catalyzed Annulation of 1-Arylindazolones
Issue Date:	2022
Publisher:	ACS Publications
Citation:	Journal of Organic Chemistry, 87(5), 3701-3706.
Abstract:	A tender-hearted Pd(II)-catalyzed C–H activation of 1-arylindazolones followed by an oxidative [4 + 2] annulation reaction has been accomplished, engaging allenates as annulating partners. Using this strategy, two different regioisomeric forms of cinnoline-fused indazolones possessing internal and exocyclic double bonds were synthesized in acetic acid and dioxane, respectively. Mild and aerobic conditions, avoiding the use of any metal–oxidant, highlights the rewards of this oxidative annulation protocol.
Description:	Only IISER Mohali authors are available in the record.
URI:	https://doi.org/10.1021/acs.joc.1c02629 (https://doi.org/10.1021/acs.joc.1c02629) http://hdl.handle.net/123456789/4913 (http://hdl.handle.net/123456789/4913)
Appears in	Research Articles (/jspui/handle/123456789/9)
Collections:	

Files in This Item:

File	Description	Size	Format
Need To Add...Full Text_PDF (/jspui/bitstream/123456789/4913/1/Need%20To%20Add%e2%80%a6Full%20Text_PDF)		15.36 kB	Unknown

[View/Open \(/jspui/t](#)

[Show full item record \(/jspui/handle/123456789/4913?mode=full\)](#)

[■ \(/jspui/handle/123456789/4913/statistics\)](#)

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