



# 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/123456789/1641>

**Title:** A Cascade Synthesis of Hetero-arylated Triarylmethanes Through a Double 5-endo-dig Cyclization Sequence

**Authors:** Paluru, Dilip K. (/jspui/browse?type=author&value=Paluru%2C+Dilip+K.)  
Mahesh, S. (/jspui/browse?type=author&value=Mahesh%2C+S.)  
Ahmad, Feroz (/jspui/browse?type=author&value=Ahmad%2C+Feroz)  
Anand, R.V. (/jspui/browse?type=author&value=Anand%2C+R.V.)

**Keywords:** 5-endo-dig Cyclization  
Domino reactions  
Indolizine  
Heterocycles  
Triarylmethanes

**Issue Date:** 2019

**Publisher:** Wiley Online Library

**Citation:** Chemistry - An Asian Journal, 14(24). pp. 4688-4695.

**Abstract:** A sequential two-step method for the synthesis of hetero-arylated triarylmethanes through a Ag-catalyzed sequential double cyclization–nucleophilic addition cascade is described. This methodology basically involves an initial 5-endo-dig cyclization of o-alkynyl anilines to provide 2-substituted indole derivatives, which then react with 2-(2-enynyl)-pyridines to afford indolizine-containing unsymmetrical triarylmethanes through another 5-endo-dig cyclization.

**URI:** <https://onlinelibrary.wiley.com/doi/abs/10.1002/asia.201900960>  
(<https://onlinelibrary.wiley.com/doi/abs/10.1002/asia.201900960>)  
<http://hdl.handle.net/123456789/1641> (<http://hdl.handle.net/123456789/1641>)

**Appears in** Research Articles (/jspui/handle/123456789/9)  
**Collections:**

Files in This Item:

File	Description	Size	Format	
Need to add pdf.odt (/jspui/bitstream/123456789/1641/1/Need%20to%20add%20pdf.odt)		8.63 kB	OpenDocument Text	<a href="#">View/Open (/jspui/bitstream/123456789/1641/1/Need%20to%20add%20pdf.odt)</a>

[Show full item record \(/jspui/handle/123456789/1641?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/1641/statistics\)](#)

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

