



**Library**  
**Indian Institute of Science Education and Research**  
**Mohali**



**DSpace@IISERMohali (/jspui/)**

**/ Thesis & Dissertation (/jspui/handle/123456789/1)**

**/ Master of Science (/jspui/handle/123456789/2)**

**/ MS-08 (/jspui/handle/123456789/270)**

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/315>

**Title:** Base Promoted 5-endo-dig cyclization: A Facile Approach Towards Pyrrolizidine Core

**Authors:** Pareek, Manish (/jspui/browse?type=author&value=Pareek%2C+Manish)

**Issue Date:** 26-Apr-2013

**Abstract:** Pyrrolizidine scaffolds are having many biological activities in plants as well as in human body; hence these scaffolds are of great interest on synthetic perspectives. A base facilitated 5-endo-dig cyclization strategy has been developed to obtain the pyrrolizidine scaffold. This protocol allowed us to approach a diverse range of alkyl and aryl substituted pyrrolizidine scaffolds in moderate yields from N-propargyl- L-proline ester derivatives under mild conditions. Synthesis of indolizidine alkaloid from N-propargyl- L-pipecolinic esters using this strategy was also attempted.

**URI:** <http://hdl.handle.net/123456789/315> (<http://hdl.handle.net/123456789/315>)

**Appears in Collections:** MS-08 (/jspui/handle/123456789/270)

**Files in This Item:**

File	Description	Size	Format	
MS-08031.pdf (/jspui/bitstream/123456789/315/1/MS-08031.pdf)		1.48 MB	Adobe PDF	<a href="#">View/Open (/jspui/bitstream/123456789/315/1/MS-08031.pdf)</a>

[Show full item record \(/jspui/handle/123456789/315?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/315/statistics\)](#)

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

