



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/123456789/3068>

Title:	Glaser–Eglinton–Hay sp–sp coupling and macrocyclization: construction of a new class of polyether macrocycles having a 1,3-diyne unit
Authors:	Naveen (/jspui/browse?type=author&value=Naveen) Babu, S.A. (/jspui/browse?type=author&value=Babu%2C+S.A.) Kaur, Gurpreet (/jspui/browse?type=author&value=Kaur%2C+Gurpreet) Aslam, N.A. (/jspui/browse?type=author&value=Aslam%2C+N.A.) Karanam, M. (/jspui/browse?type=author&value=Karanam%2C+M.)
Keywords:	Macrocyclization 1,3-diyne unit Polyether Macrocycles
Issue Date:	2014
Publisher:	Royal Society of Chemistry
Citation:	RSC Advances, 4(36), pp.18904-18916 .
Abstract:	Glaser–Eglinton–Hay-type sp–sp coupling, macrocyclization and the construction of skeletally interesting, 18-27 membered, polyether macrocycles having a 1,3-diyne unit-based cylindrical backbone are reported. The utility of polyether macrocycles having the 1,3-diyne units is shown by incorporating isoxazole and thiophene moieties into the macrocycles. The structures of representative crown ether/polyether-type macrocycles were unambiguously established from single crystal X-ray structure analyses. Investigation of the X-ray structures of representative macrocycles revealed that the 1,3-diyne unit was not linear and was found to be bent.
URI:	https://pubs.rsc.org/en/content/articlelanding/2014/RA/C4RA02174F#!divAbstract (https://pubs.rsc.org/en/content/articlelanding/2014/RA/C4RA02174F#!divAbstract) http://hdl.handle.net/123456789/3068 (http://hdl.handle.net/123456789/3068)
Appears in	Research Articles (/jspui/handle/123456789/9)
Collections:	

Files in This Item:

File	Description	Size	Format	
need to add pdf....odt (/jspui/bitstream/123456789/3068/1/need%20to%20add%20pdf....odt)		8.12 kB	OpenDocument Text	View/Open (/jspui/bitstream/123456789/3068/1/need%20to%20add%20pdf....odt)

Show full item record (/jspui/handle/123456789/3068?mode=full)

(/jspui/handle/123456789/3068/statistics)

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

