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Title:	Unactivated Norbornenes in [3+2] Cycloadditions: Remarkably Stereo-controlled Entry into Norbornane-Fused Spirooxindolopyrrolidines, Spiro-1,3-indandionolpyrrolidines, and Spirooxindolopyrrolizidines
Authors:	Rajkumar, V. (/jspui/browse?type=author&value=Rajkumar%2C+V.) Aslam, N.A. (/jspui/browse?type=author&value=Aslam%2C+N.A.) Reddy, C. (/jspui/browse?type=author&value=Reddy%2C+C.) Babu, S.A. (/jspui/browse?type=author&value=Babu%2C+S.A.)
Keywords:	Cycloadditions Norbornane-Fused Spirooxindolopyrrolizidines
Issue Date:	2012
Publisher:	Thieme
Citation:	Synlett (4), pp. 549-556
Abstract:	1,3-dipolar cycloaddition reactions of azomethine ylides with unactivated norbornene dipolarophiles and a highly diastereoselective synthesis of the novel norbornane-fused spirooxindolopyrrolidines, spiroacenaphthylenolpyrrolidines, spiro-1,3-indan-dionolpyrrolidines, and spirooxindolopyrrolizidines having an array of stereocenters are reported. The stereoselective synthesis of spirooxindolopyrrolizidines with eight stereocenters was demonstrated. Single-crystal X-ray structural analyses were performed to unambiguously establish the structure and stereochemistry of the key products.
URI:	https://www.thieme-connect.de/products/ejournals/abstract/10.1055/s-0031-1290342 (https://www.thieme-connect.de/products/ejournals/abstract/10.1055/s-0031-1290342) http://hdl.handle.net/123456789/3502 (http://hdl.handle.net/123456789/3502)
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