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Title:	Unactivated norbornenes in [3+2] cycloadditions: Remarkably stereo-controlled entry into norbornane-fused spirooxindolopyrrolidines,spiro-1,3-indandionolylpyrrolidines,and spirooxindolopyrrolizidines
Authors:	Aslam, N.A. (/jspui/browse?type=author&value=Aslam%2C+N.A.)
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Keywords:	pyrrolizidine derivative
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	spirooxindolopyrrolidine derivative
Issue Date:	2012
Publisher:	Georg Thieme Verlag Stuttgart
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 spirooxindolo-pyrrolidines, spiroacenaphthylenolylpyrrolidines, spiro-1,3-indan-dionolylpyrrolidines, 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.com/ejournals/abstract/10.1055/s-0031-1290342 (https://www.thieme-connect.com/ejournals/abstract/10.1055/s-0031-1290342)
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