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Title:	(2 S)-2-[(Phenylsulfinyl)methyl]pyrrolidine-catalyzed efficient stereoselective michael addition of cyclohexanone and cyclopentanone to nitroolefins
Authors:	Khullar, S. (/jspui/browse?type=author&value=Khullar%2C+S.) Mandal, S.K. (/jspui/browse?type=author&value=Mandal%2C+S.K.)
Keywords:	Michael addition reaction Organocatalyst Amino sulfoxide Nitroolefins
Issue Date:	2013
Publisher:	Thieme
Citation:	Synthesis (Germany), 45(10), pp.1406-1413.
Abstract:	(2S)-2-[(Phenylsulfinyl)methyl]pyrrolidine, derived from L-proline, has been demonstrated as an efficient organocatalyst for the asymmetric Michael addition of cyclohexanone and cyclopentanone to β -nitrostyrenes. This pyrrolidine-based catalyst bearing a sulfoxide moiety was used to synthesize various γ -nitro carbonyl compounds in high yield (up to 97%) with excellent stereoselectivity (up to >99:1 dr and >99% ee) without the use of any additive.
Description:	Only IISERM authors are available in the record.
URI:	https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0032-1316917 (https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0032-1316917) http://hdl.handle.net/123456789/2931 (http://hdl.handle.net/123456789/2931)
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