Title:	N-Heterocyclic carbene catalysed 1,6-hydrophosphonylation of p-quinone methides and fuchsones: an atom economical route to unsymmetrical diaryl- and triarylmethyl phosphonates
Authors:	Arde, Panjab (/jspui/browse?type=author&value=Arde%2C+Panjab) Anand, R.V. (/jspui/browse?type=author&value=Anand%2C+R.V.)
Keywords:	N-Heterocyclic Hydrophosphonylation Organocatalytic Phosphonates
Issue Date:	2016
Publisher:	Royal Society of Chemistry
Citation:	Organic and Biomolecular Chemistry, 14(24), pp. 5550-5554
Abstract:	A convenient organocatalytic approach to access unsymmetrical diaryl- and triarylmethyl phosphonates using NHC as a Brønsted base catalyst is described. This atom-economical protocol enables the installation of phosphonate groups on p-quinone methides and fuchsones through a 1,6-conjugate addition of dialkylphosphites, and the corresponding phosphonates were obtained in excellent yields.
URI:	https://pubs.rsc.org/en/content/articlehtml/2016/ob/c6ob00289g (https://pubs.rsc.org/en/content/articlehtml/2016/ob/c6ob00289g) http://hdl.handle.net/123456789/2591 (http://hdl.handle.net/123456789/2591)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

Files in This Item:

File	Description	Size	Format	
Need to add pdf.odt (/jspui/bitstream/123456789/2591/1/Need%20to%20add%20pdf.odt)		7.9 kB	OpenDocument Text	View/Open (/jspui/bitstream/12345