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Title: Bis(amino)cyclopropenium Salt Catalyzed 1,6-Conjugate Addition of 2-Naphthols to p-Quinone Methides

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Keywords: Bis(amino)cyclopropenylidene (BAC)

Phase transfer catalysis by the TDAC salts introduction on p-Quinone methides

2-Naphthols Apr-2020

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Abstract: Bis(amino)cyclopropenium salt has been utilized as a hydrogen-bond donor catalyst for the 1,6- conjugate addition of 2-naphthols to para-quinone methides.

Here the bis(amino)cyclopropenium salt acts as a Brønsted acid. This transformation occurs at mild conditions and is tolerant to a variety of functional groups.

This protocol provides an easy and straightforward access to various unsymmetrical triarylmethanes in good to excellent yields.

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