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Title:	Neutral and cationic cyclic (alkyl)(amino)carbene mercury [cAAC–Hg(ii)] complexes: scope of hydroamination of alkynes with organomercury compounds
Authors:	Bawari, D. (/jspui/browse?type=author&value=Bawari%2C+D.) Goswami, Bhupendra (/jspui/browse?type=author&value=Goswami%2C+Bhupendra) Sabari, R.S.V. (/jspui/browse?type=author&value=Sabari%2C+R.S.V.) Thakur, Sandeep Kumar (/jspui/browse?type=author&value=Thakur%2C+Sandeep+Kumar) Choudhury, A.R. (/jspui/browse?type=author&value=Choudhury%2C+A.R.) Singh, Sanjay (/jspui/browse?type=author&value=Singh%2C+Sanjay)
Keywords:	Carbenes Heterocyclics Suzuki Reaction
Issue Date:	2018
Publisher:	Royal Society of Chemistry
Citation:	Dalton Transactions, 47(18), pp. 6274-6278
Abstract:	This study demonstrates the first synthesis of cyclic (alkyl)(amino)carbene (cAAC) adducts of Hg(ii), [cAACMe·HgBr(μ-Br)] <sub>2</sub> (1a) and [cAACcy·HgBr(μ-Br)] <sub>2</sub> (1b). Adduct 1b catalyzes intermolecular hydroamination of aromatic alkynes and amines under mild conditions to afford aromatic imines. The quest to prepare an electrophilic Hg(ii) complex resulted in the synthesis of cationic [(cAACcy) <sub>2</sub> Hg(H <sub>2</sub> O)] <sub>2</sub> ·2[NO <sub>3</sub> ] <sup>-</sup> (3) by reacting 1b with AgNO <sub>3</sub>
Description:	Only IISERM authors are available in the record.
URI:	<a href="https://pubs.rsc.org/en/content/articlelanding/2018/dt/c7dt04589a#divAbstract">https://pubs.rsc.org/en/content/articlelanding/2018/dt/c7dt04589a#divAbstract</a> ( <a href="https://pubs.rsc.org/en/content/articlelanding/2018/dt/c7dt04589a#divAbstract">https://pubs.rsc.org/en/content/articlelanding/2018/dt/c7dt04589a#divAbstract</a> ) <a href="http://hdl.handle.net/123456789/2232">http://hdl.handle.net/123456789/2232</a> ( <a href="http://hdl.handle.net/123456789/2232">http://hdl.handle.net/123456789/2232</a> )
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