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## **ACCEPTED MANUSCRIPT**



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## Direct Electrophilic Trifluoromethylthiolation of N-Benzyl Indoles Using AgSCF<sub>3</sub>

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#### ARTICLE INFO **ABSTRACT** Article history: A novel electrophilic trifluoromethylthiolation reaction system has been developed with AgSCF3 Received used directly as the SCF<sub>3</sub> source, in the presence of KI/K<sub>2</sub>S<sub>2</sub>O<sub>8</sub>/I<sub>2</sub>. Various N-benzylindoles have Received in revised form been trifluoromethylthiolated successfully with this system, and the mechanism investigation Accepted showed an eletrophilic reagent was generated in situ. Available online Keywords: 2009 Elsevier Ltd. All rights reserved. Trifluoromethylthiolation Indole AgSCF<sub>3</sub> Electrophilic reaction

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