

## Accepted Manuscript

Title: Organocatalytic  $\alpha$ -trifluoromethylthiolation of silylenol ethers: batch vs continuous flow reactions

Authors: Said Said Abubakar, Maurizio Benaglia, Sergio Rossi, Rita Annunziata



PII: S0920-5861(17)30620-X  
DOI: <http://dx.doi.org/10.1016/j.cattod.2017.09.013>  
Reference: CATTOD 11018

To appear in: *Catalysis Today*

Received date: 30-7-2017  
Revised date: 1-9-2017  
Accepted date: 7-9-2017

Please cite this article as: Said Said Abubakar, Maurizio Benaglia, Sergio Rossi, Rita Annunziata, Organocatalytic  $\alpha$ -trifluoromethylthiolation of silylenol ethers: batch vs continuous flow reactions, Catalysis Today <http://dx.doi.org/10.1016/j.cattod.2017.09.013>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Organocatalytic $\alpha$ -trifluoromethylthiolation of silylenol ethers: batch vs continuous flow reactions

Said Said Abubakar,<sup>a</sup> Maurizio Benaglia,<sup>a,\*</sup> Sergio Rossi,<sup>a,\*</sup> Rita Annunziata<sup>a</sup>

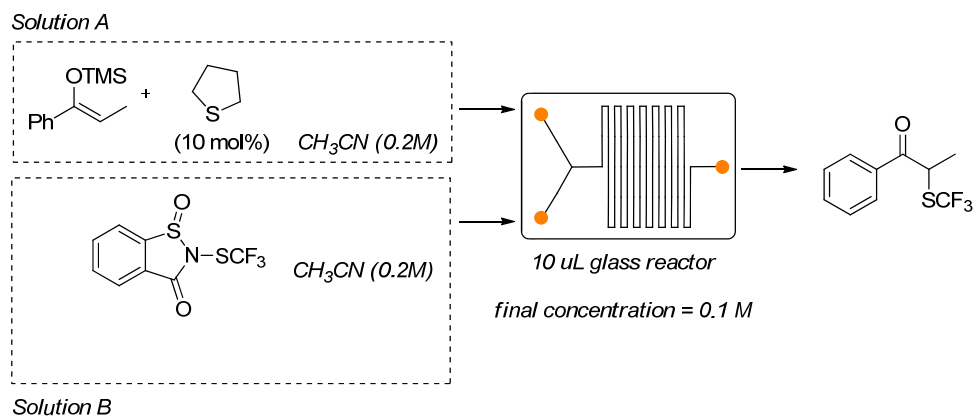
<sup>a</sup>Dipartimento di Chimica, Università degli Studi di Milano, via Golgi 19 20133 Milan (IT)

\* Corresponding authors

Email address: [maurizio.benaglia@unimi.it](mailto:maurizio.benaglia@unimi.it) (M. Benaglia), [sergio.rossi@unimi.it](mailto:sergio.rossi@unimi.it) (S. Rossi)

## Graphical Abstract

The organocatalytic  $\alpha$ -trifluoromethylthiolation of silylenol ethers using *N*-(trifluoromethylthio)saccharin as trifluoromethylthiolating reagent, activated by the presence of catalytic amounts of a Lewis base, has been successfully performed for the first time under continuous flow conditions.



## Highlights

Continuous flow synthesis of  $\alpha$ -trifluoromethylthio un-activated ketones.

Organocatalytic  $\alpha$ -trifluoromethylthiolation of silylenol ethers

Activation of *N*-(trifluoromethylthio)saccharin by catalytic amounts of a Lewis base

## ABSTRACT

Download English Version:

<https://daneshyari.com/en/article/6504399>

Download Persian Version:

<https://daneshyari.com/article/6504399>

[Daneshyari.com](https://daneshyari.com)