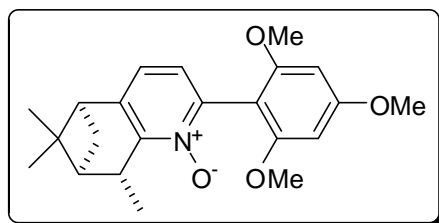
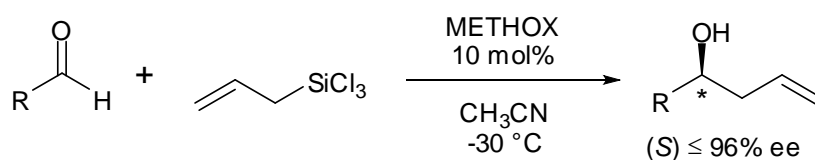


# ABSTRACT

In order to extend the earlier work in the group,<sup>1</sup> we endeavored to explore the ability of the terpene-derived pyridine *N*-oxide organocatalyst (+)-METHOX to catalyze allylations of non-aromatic,  $\alpha,\beta$ -conjugated aldehydes with allyltrichlorosilane in CH<sub>3</sub>CN. This thesis describes the synthesis of 5 novel homoallylic alcohols of high enantioselectivities ( $\leq 96\%$  ee).



(+)-METHOX

<sup>1</sup> Malkov, A. V.; Bell, M.; Castelluzzo, F.; Kočovský, P. *Org. Lett.* **2005**, 7, 3219