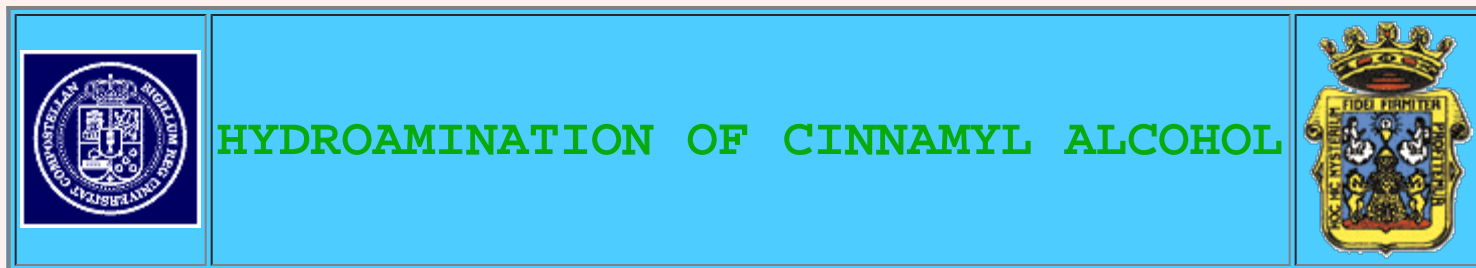


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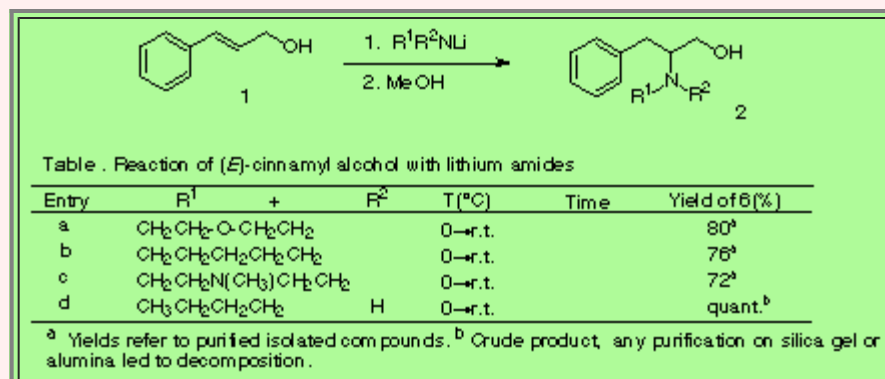
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Received: 5 August 1999 / Uploaded: 22 August 1999

In our group, we have been studying the hydroamination of styrene and its derivatives¹. Here, we want to present a preliminary communication about the hydroamination of cinnamyl alcohol. This addition would afford 2-amino-3-phenylpropanols (**2**), which are of biological interest due to its presence as constituents in the structure of different natural products isolated from many different sources, such as: *Allangium lamarckii*, *Anaphalis subumbellata*, *Aspergillus flaviceps*, *A. janus*, *A. glaucus*, *Caranthus pusillus*, *Cystoceria corniculata*, *Emericellopsis salmosynnemata*, *Euphorbia fischeriana*, *Hybanthus enneasperma*, *Medicago polymorpha*, *Penicillium canadiense*, *P. brevicompactum*, *P. megasporum*, *Piper aurantiacum* and *Schismatomma hypothallium*.

To our knowledge, there was no previous report of hydroamination on cinnamyl alcohol, although there has been reported² addition of alkylolithiums to **1**. Thus, lithium amides were prepared by addition of n-butyllithium to the parent amine at 0°C, and then cinnamyl alcohol dissolved in dry THF was added drop wise to the lithium amide. We prepared the β-phenylethylamines shown in the table. We observed that cyclic secondary amines and aliphatic primary amines gave good yields of amination, but in other cases: diethyl amine, benzylamine and N-methylbenzylamine yields were very low. These results agrees with our previous results for styrene with methyl group in β position¹.



Actually we are trying to get a wider evidence of the behavior of other amines. We are studying as well, the possibility of getting choral induction in these additions.

ACKNOWLEDGMENTS

We thank Dirección General de Enseñanza Superior (DGES) for its financial support (PB96-0932).

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