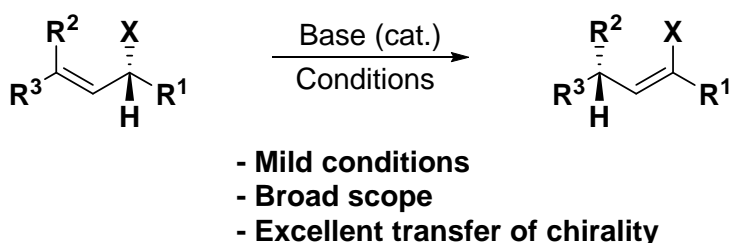


BASE-CATALYZED STEREOSPECIFIC ISOMERIZATION OF ALLYLIC HALIDES

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Vinyl halides are important building blocks in organic synthesis for the formation of carbon-carbon (C-C), as well as of carbon-heteroatom bonds (eg. C-N and C-O). Here we report a base-catalyzed method for the synthesis of vinyl halides from the corresponding allylic halides under very mild conditions; In the presence of a base catalyst, a 1,3-proton shift takes place.¹ This shift happens stereoselectively. Mechanistic investigations will also be presented.



Scheme 1. Base-catalyzed isomerization of allylic halides.

[1] Martinez-Erro, S.; Sanz-Marco, A.; Bermejo Gómez, A.; Vázquez-Romero, A.; Ahlquist, M. S. G.; Martín-Matute, B. *J. Am. Chem. Soc.* **2016**, 138, 13408–13414.