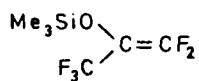


PENTAFLUORO-2-(TRIMETHYLSILOXY)PROPENE: SYNTHESIS AND REACTIONS

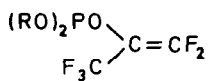
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Universität Bremen, Leobener Straße, D-2800 Bremen 33,
Federal Republic of Germany

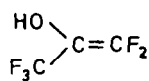
The title compound **1** can be obtained in two steps using a new method. Dialkylchlorophosphites and **1** react to give 2,2-difluoro-1-(trifluoromethyl)-vinylphosphites **2**, which may be oxidized by activated ketones. Hydrolysis of **1** furnishes pure pentafluoro-propene-2-ol **3** in a straightforward reaction. The reactivity of pentafluoro-2-(toluene-4-sulfoxyl)propene **4** and **1** towards silylated phosphites is compared.



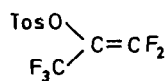
1



2



3



4