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SYNFACTS Highlights in Chemical Synthesis

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Catalytic Access to Functionalized Allylic *gem*-Difluorides via Fluorinative Meyer–Schuster-Like Rearrangement
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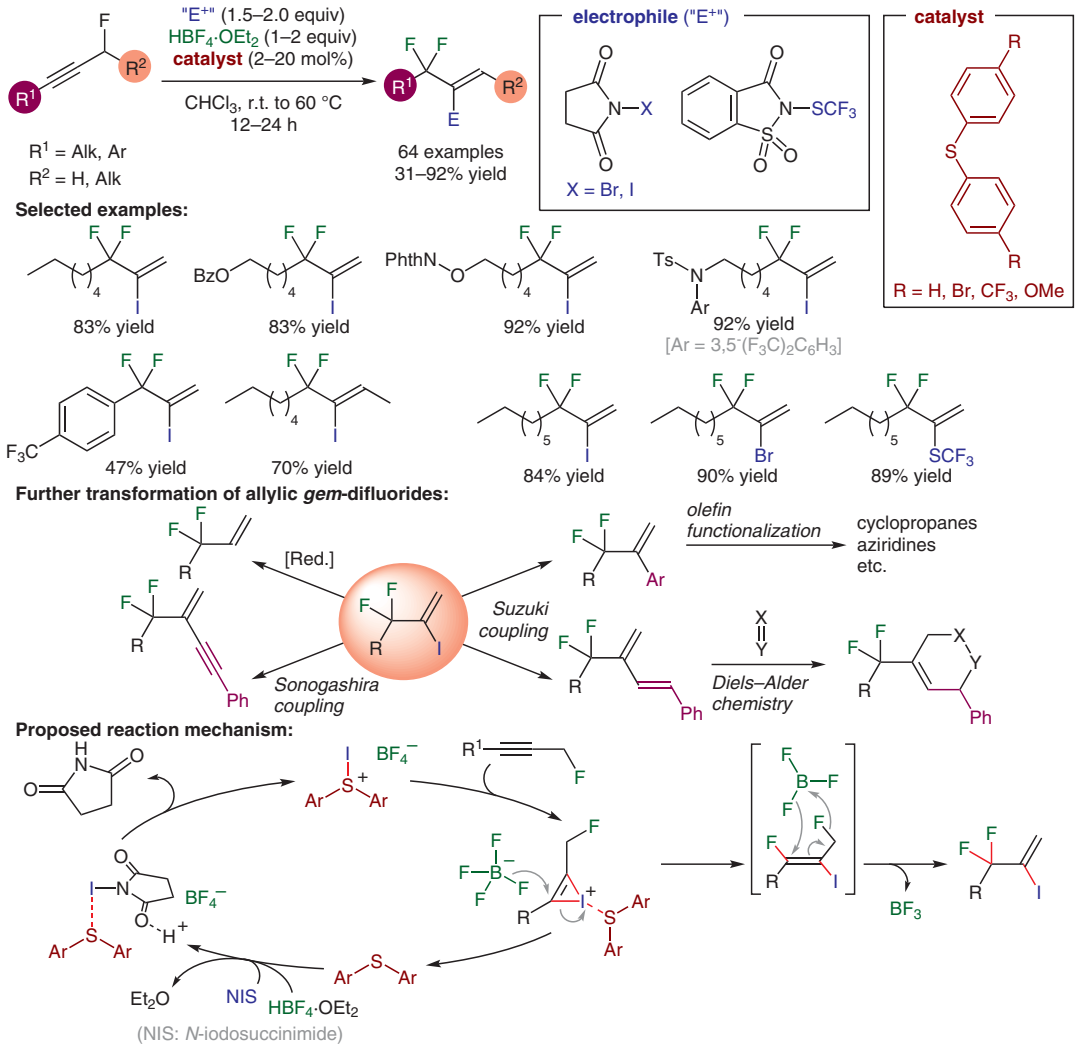
Sulfide-Catalyzed Synthesis of Allylic *gem*-Difluorides through a Meyer–Schuster-Like Rearrangement



Significance: Zhao and co-workers present a fluorination of propargylic fluorides by a Meyer–Schuster-like rearrangement via allylic 1,3-difluorides, formed by sulfide-catalyzed electrophile transfer to the alkyne moiety. A broad scope of allylic *gem*-difluorides is obtained with good yields and they can be used effectively as cross-coupling partners.

Comment: Because of the industrial importance of organofluorine compounds, chemists continue to search for simple yet efficient syntheses of these compounds. The highlighted method avoids the use of highly toxic reagents, a common drawback in approaches towards these compounds, and it explores the synthetic versatility of the resulting allylic *gem*-difluorides.

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Organo- and Biocatalysis

Key words
propargylic fluorides
diaryl sulfides
tetrafluoroboric acid
difluorides
Meyer–Schuster rearrangement