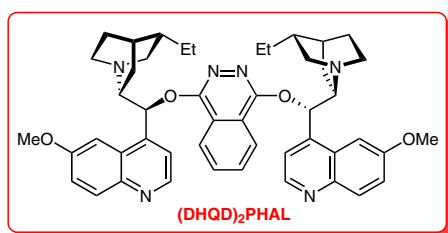
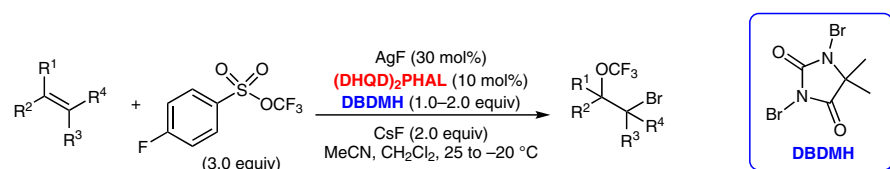
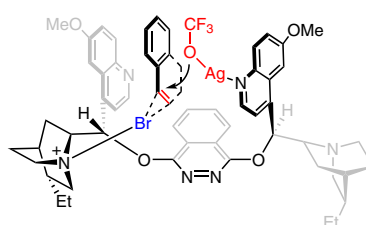


S. GUO, F. CONG, R. GUO, L. WANG, P. TANG\* (NANKAI UNIVERSITY AND COLLABORATIVE INNOVATION CENTER OF CHEMICAL SCIENCE AND ENGINEERING, TIANJIN, P. R. OF CHINA)  
 Asymmetric Silver-Catalysed Intermolecular Bromotrifluoromethoxylation of Alkenes with a New Trifluoromethoxylation Reagent  
*Nat. Chem.* **2017**, *9*, 546–551.

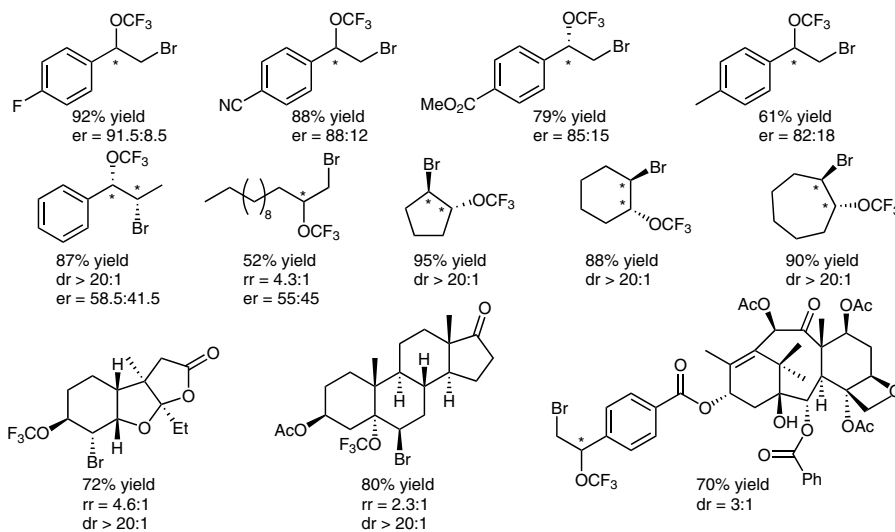
## Silver-Catalyzed Intermolecular Bromotrifluoromethoxylation of Alkenes



Possible transition-state model:



Selected examples:



**Significance:** The development of new methods to introduce a trifluoromethoxy group into drugs or agrochemicals is important because of the strongly electron-withdrawing nature and high lipophilicity of this moiety. The authors report a silver-catalyzed enantioselective bromotrifluoromethoxylation of alkenes with a new trifluoromethoxylation reagent.

**SYNFACTS Contributors:** Hisashi Yamamoto, Takahiro Sawano  
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**Comment:** The developed trifluoromethoxylation reagent, trifluoromethyl 4-fluorobenzenesulfonate, is easily prepared and thermally stable, and shows good reactivity. The bromotrifluoromethoxylation method can be applied to a variety of alkenes, including small, complex molecules.