

Trimethyl(bromodifluoromethyl)silane

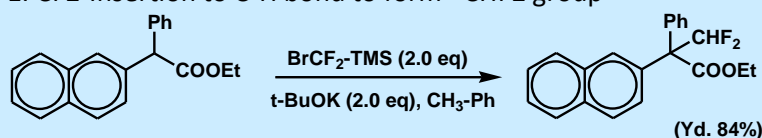
(abb; BrCF₂-TMS)



Purity	97%
CAS Number	115262-01-6
Molecular Formula	C ₄ H ₉ BrF ₂ Si
Molecular Weight	203.1

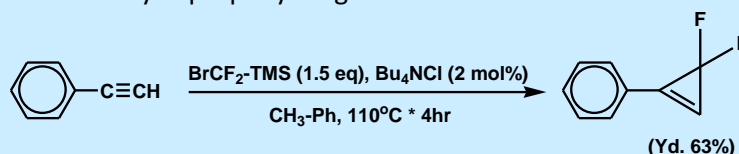
BrCF₂-TMS is an easier :CF₂-carbene generator which could generate :CF₂-carbene at RT, and the raw material is affluent.

1. CF₂-Insertion to C-H bond to form -CHF₂ group



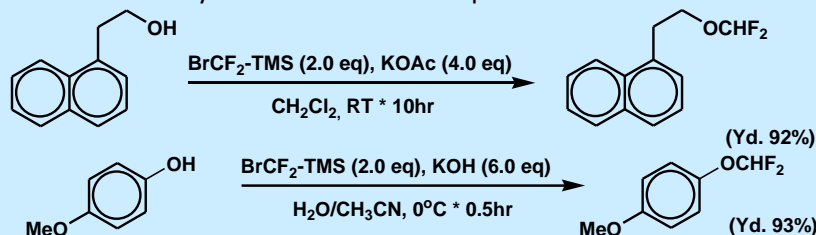
Angew. Chem. 2019, 131, p6471-6476

2. Difluorocyclopropenyl ring formation



Thesis submitted to PhD. Degree at Univ. of Warwick, by Sio Lan Wang, May 2015, p59

3. Difluoromethylation of alcohols and phenol to make ethers



Angew. Chem. Int. Ed. 2017,56, p3206-3210, Synthesis 2014, 46, p0842-0863

Properties:

Appearance	Liquid
Boiling point, °C	110-112
Flash point, °C	-

Capacity: -

Packing: -

UN, PG: -