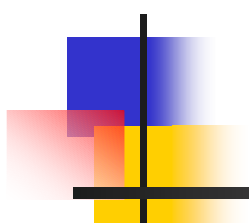


*E-mail: bred@nioch.nsc.ru



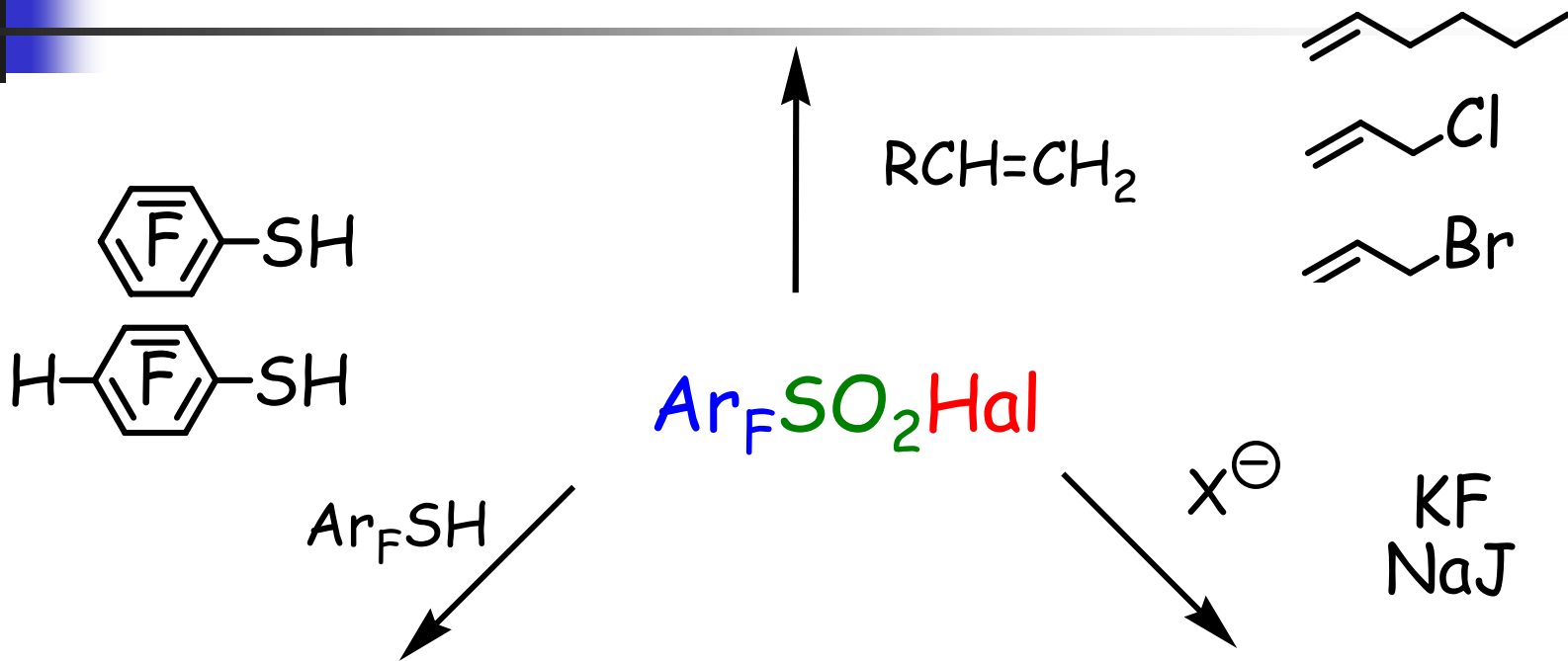
Transformations of polyfluoroarenesulfonyl halides with alkenes, polyfluoroarenethiols and alkali metal halides

**Roman A. Bredikhin*, Alexander M. Maksimov
and Vyacheslav E. Platonov**

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the Siberian Branch of Russian Academy of Sciences*

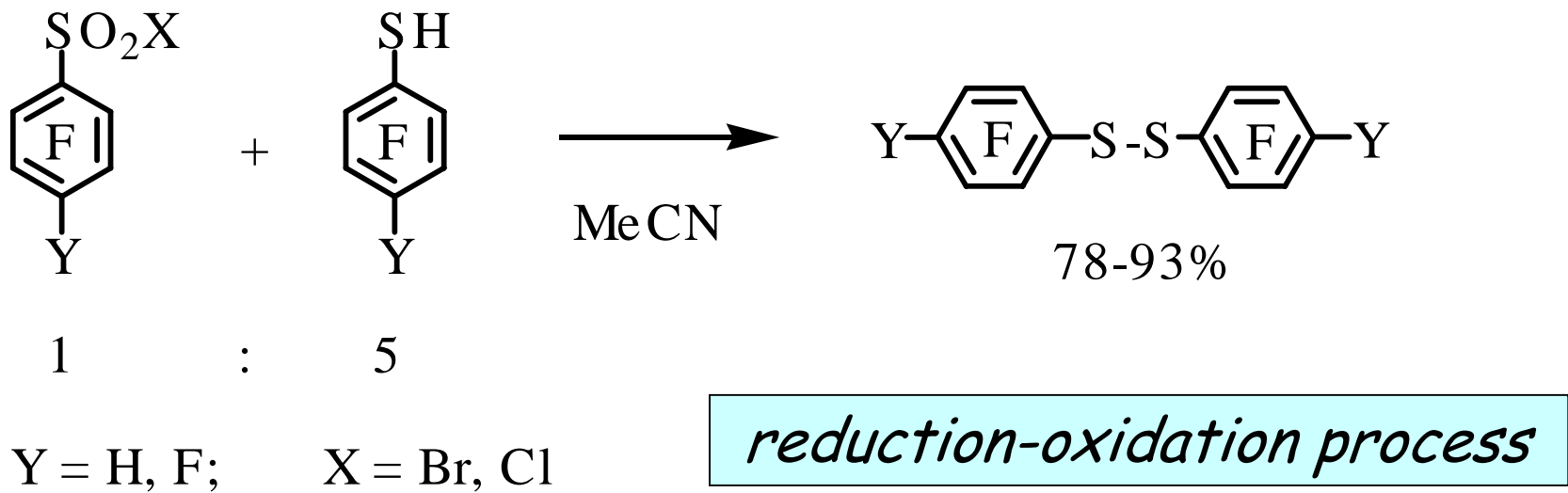
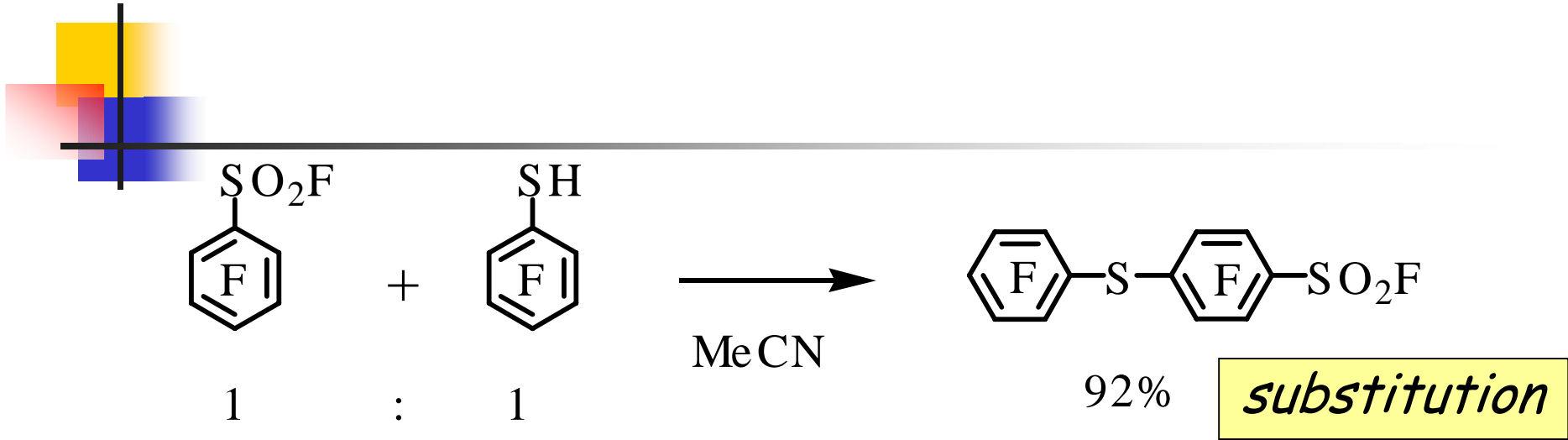
630090, Academician Lavrentev Ave., 9, Novosibirsk, Russian Federation

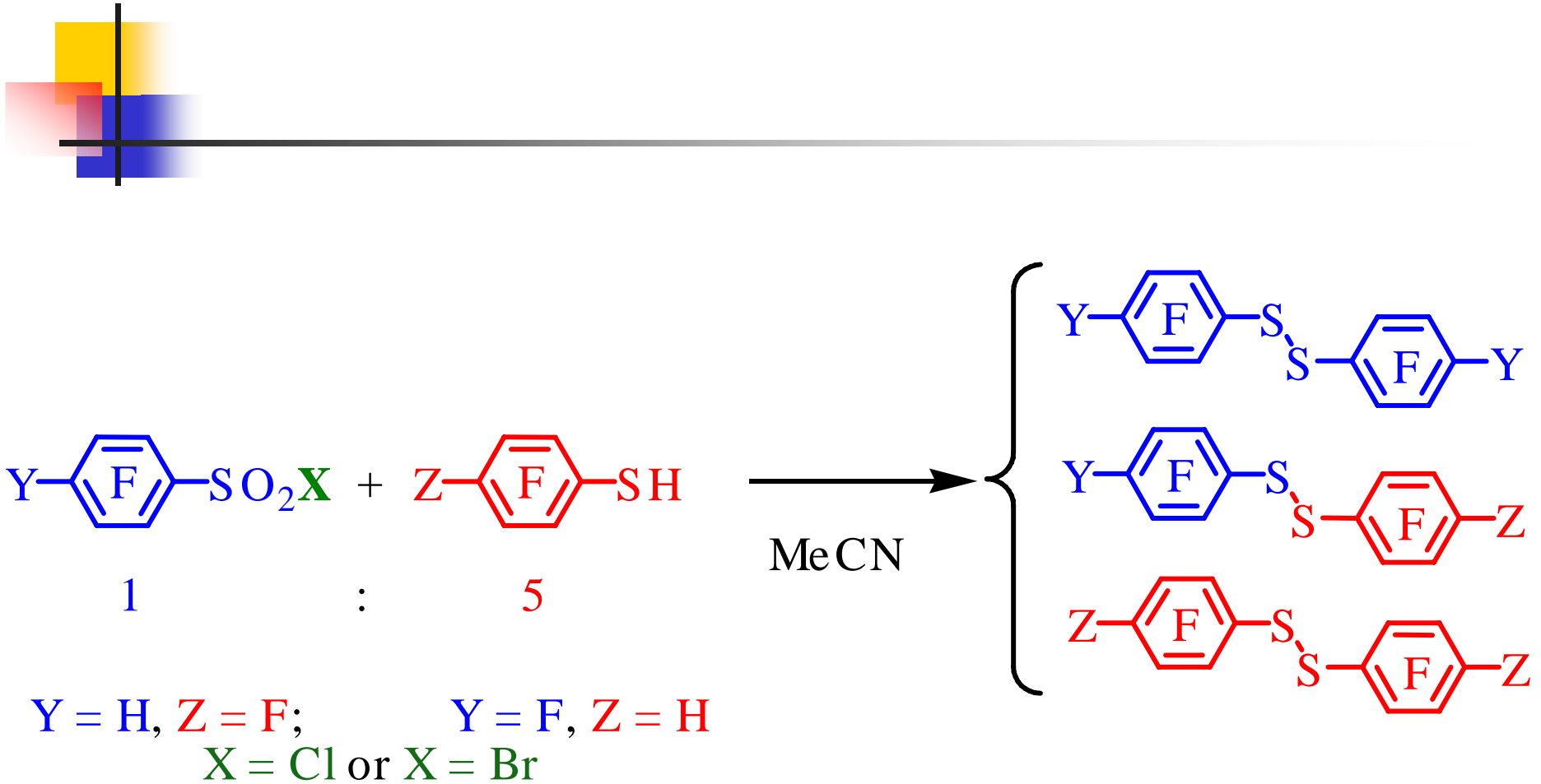
Radical addition to alkene double bond

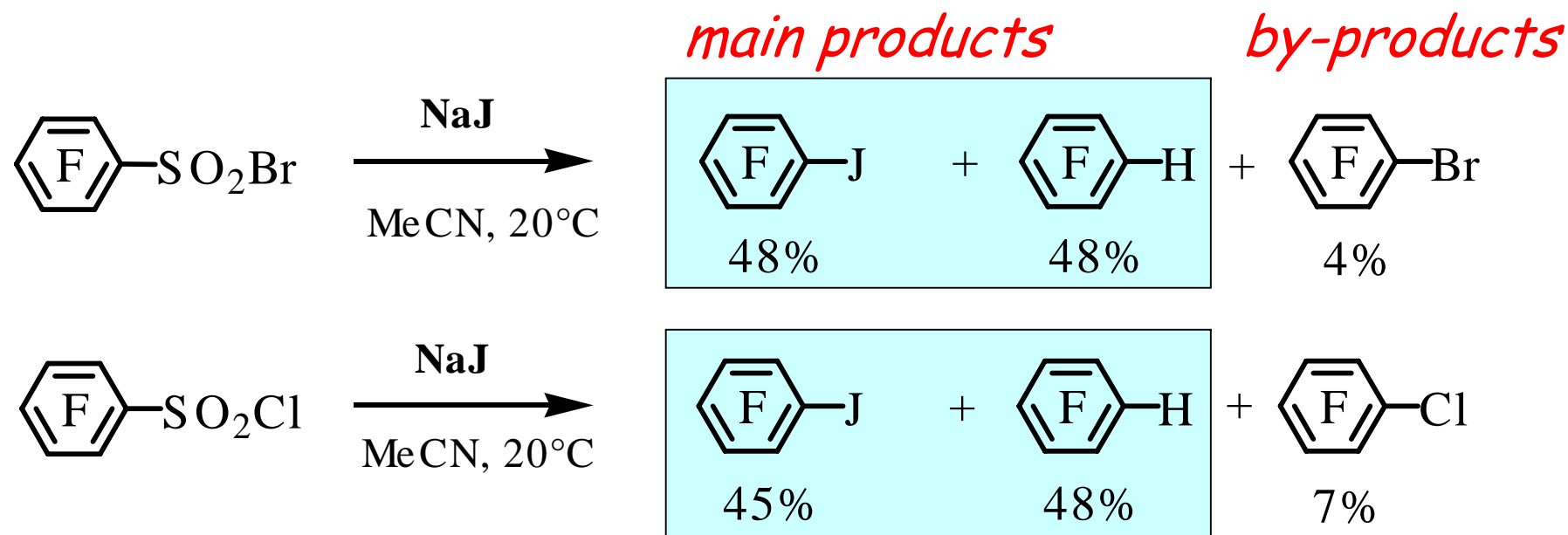
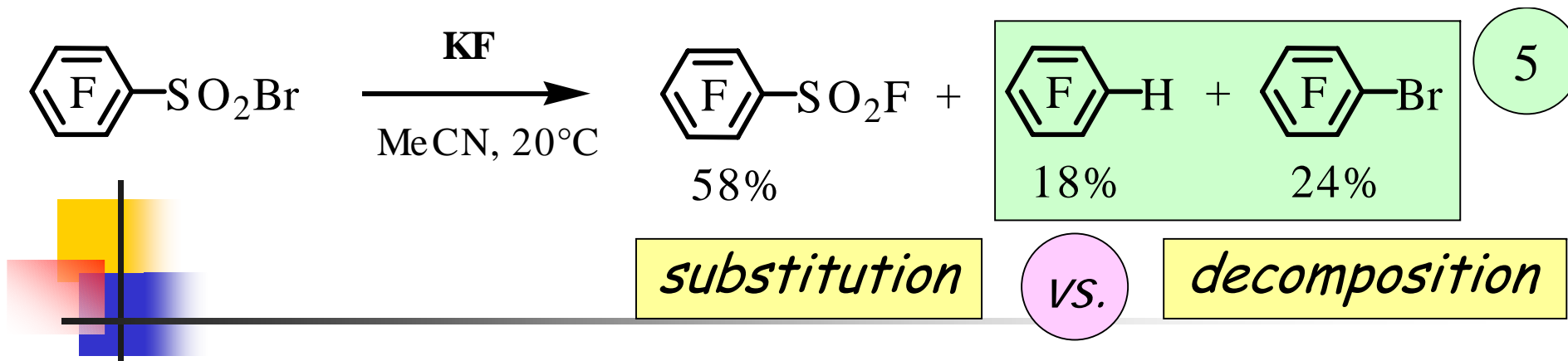


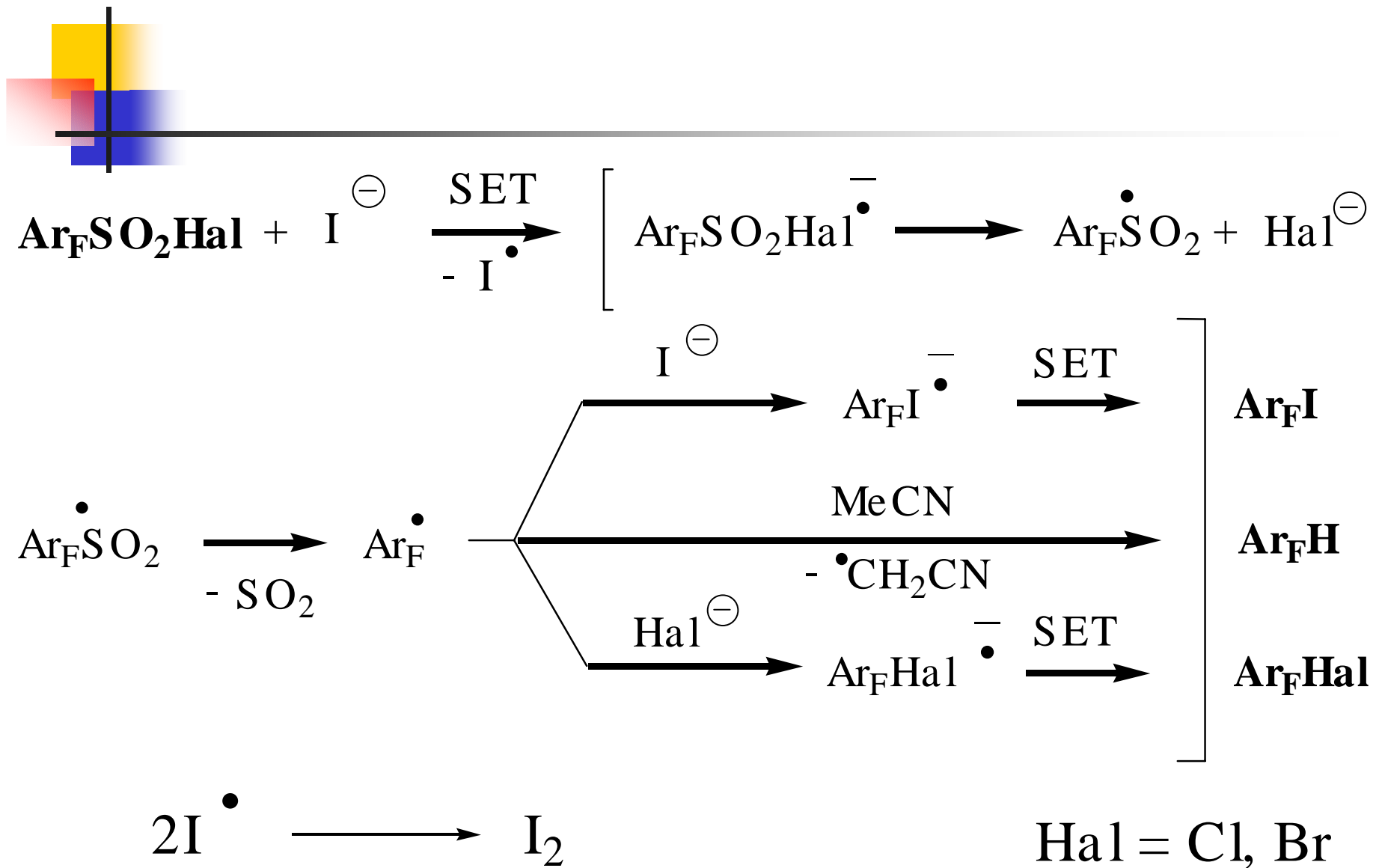
Reactions with
polyfluoroarenethiols

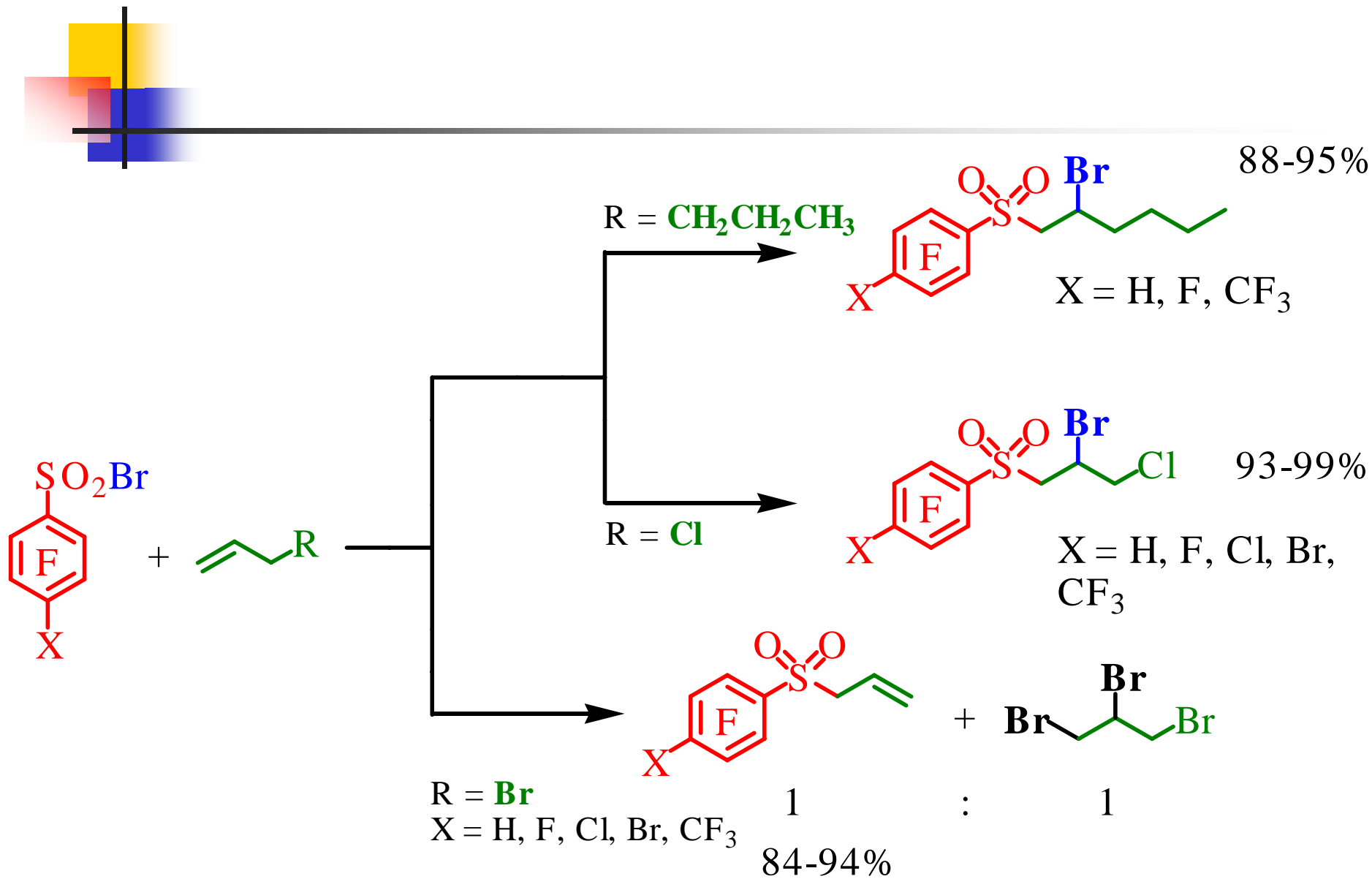
Reactions with
metal halides

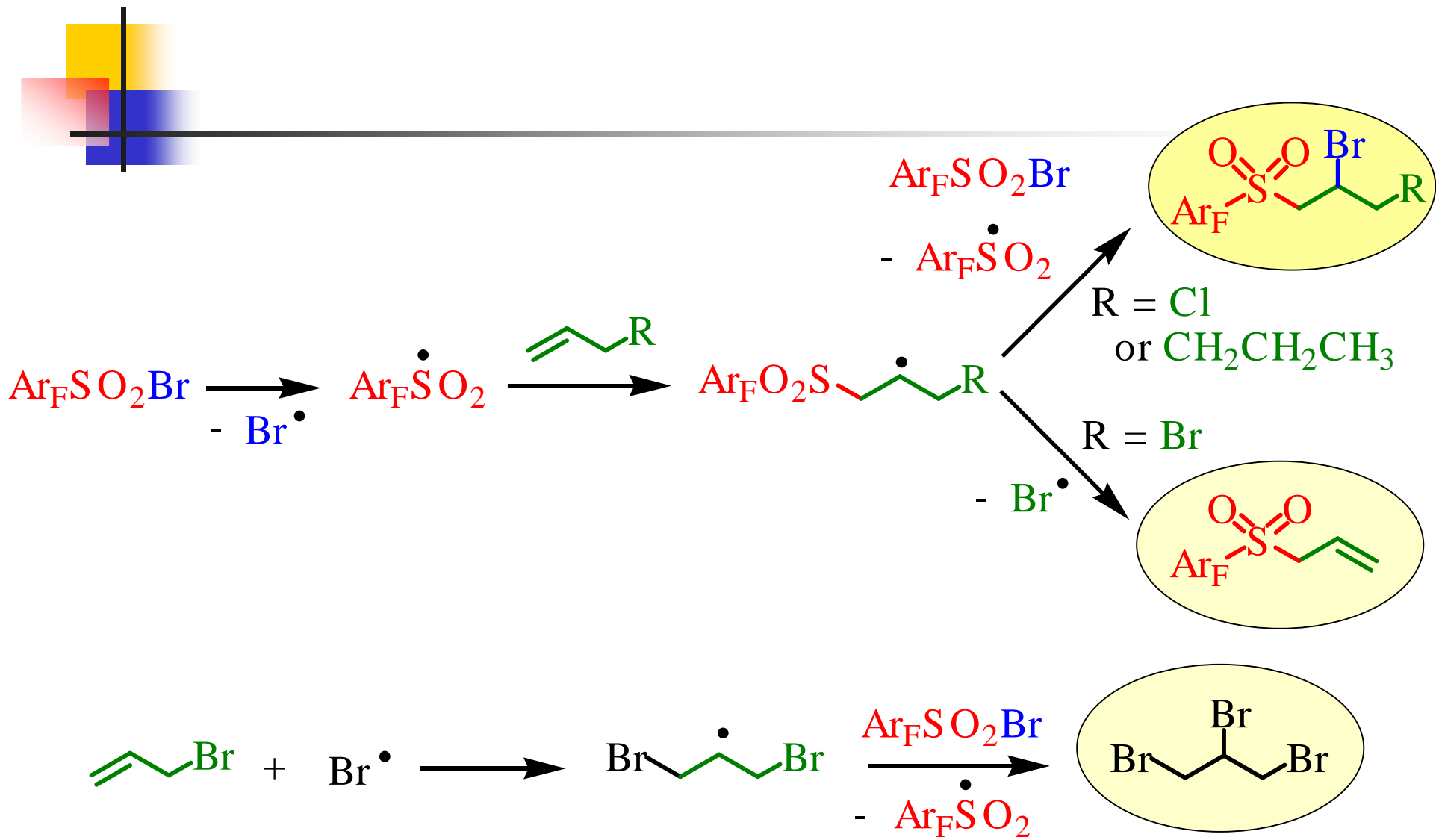


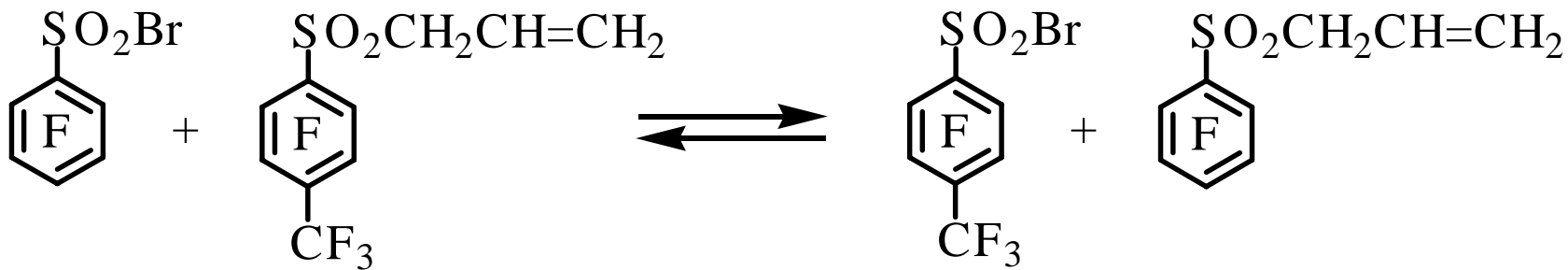
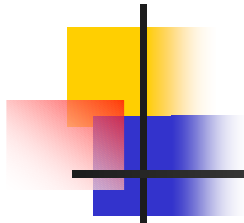








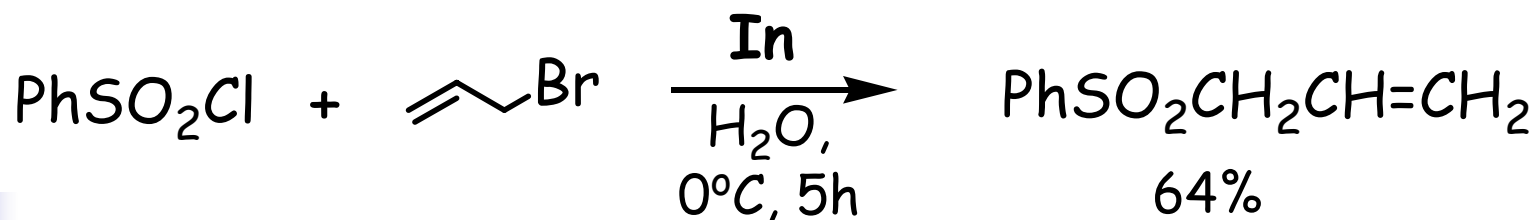




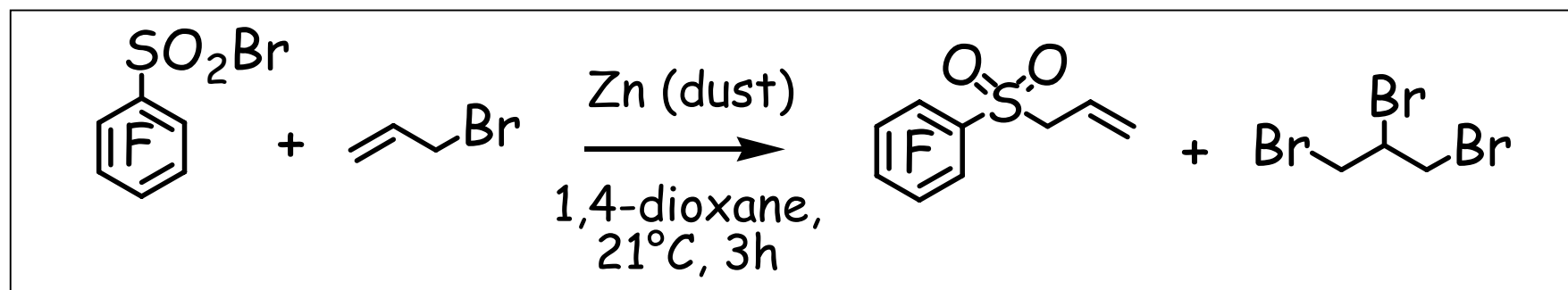
reversible addition

How to avoid tribromopropane formation?

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Wang L., Zhang Y. *J. Chem. Res. (S)*. (2008), 588-589



<u>Ar_FSO₂Br</u>	AllBr	Zn	C ₆ F ₅ H		
1.0	4.0	1.0	<0.1	1.0	0.3
1.0	1.2	1.1	0.1	1.0	0.1
1.0	1.1	0.1		conversion is 10%	
1.0	1.1	1.1	conversion is 100%, 70% isolated yield		

