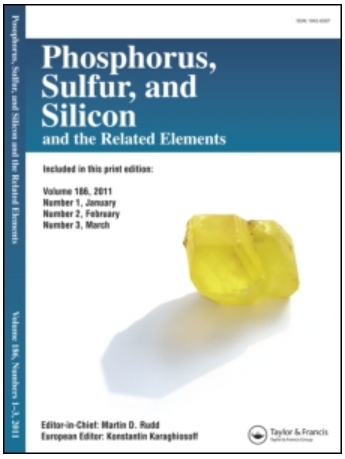

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Fluoro-organylphosphanes Using the Reagent Combination $(Et_2N)_3P$/Fluoro(halo)organic Compound

Uwe Gessel[a]; Rudolf Josten[a]; Ingo Ruppert[a]; Stephan Schäfer[a]
[a] Anorganisch-Chemisches Institut der Universität, Bonn

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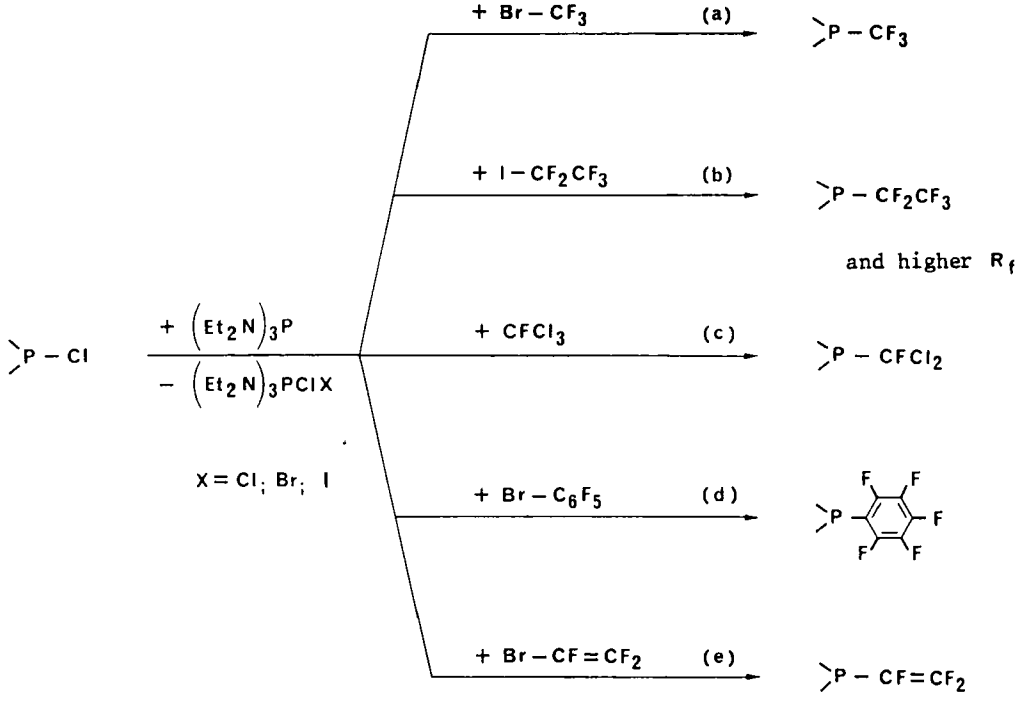
Fluoro-organylphosphanes Using the Reagent Combination $(Et_2N)_3P$ / Fluoro(halo)organic Compound

Uwe Gessel, Rudolf Josten, Ingo Ruppert* and Stephan Schäfer
Anorganisch-Chemisches Institut der Universität
Gerhard-Domagk-Str. 1, D-5300 Bonn 1

We succeeded in a simple direct route with good applicability to transfer different fluoro(halo)organic moieties on chlorophosphanes e.g.: a) the CF_3-group, b) higher perfluoro-organic substituents, c) the dichlorofluoromethyl-group, d) the pentafluorophenyl-ring and finally e) the trifluorovinyl-moiety.



In general our reagent combination works very well at low temperatures, where $(Et_2N)_3P$ connects phosphorus(III)-halogenides with the fluoro-organic partners under mild dehalogenation.
We try to draw your attention to this method for introducing perhaloorganyl groups; the examples give hope to a general scope.