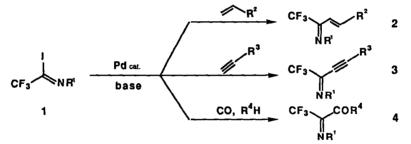
## PALLADIUM-CATALYZED COUPLINGS WITH OLEFINS AND 1-ALKYNES AND CARBONYLATION OF TRIFLUOROACETIMIDOYL IODIDES

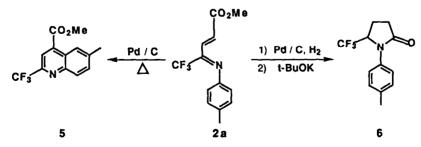
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Palladium-catalyzed couplings with olefins and 1-alkynes 1) and carbonylation of trifluoroacetimidoyl iodides (1) proceed to give trifluoromethylated  $\alpha$ ,  $\beta$ -unsaturated imines (2, 3) and  $\alpha$ -carbonyl imines (4).



These products (2, 3, 4) are fully characterized and are potential precursors of nitrogen heterocycles and amino acids derivatives bearing CF<sub>3</sub>-group. For examples product 2a is transformed into 5 or 6 as described below.



Scopes and limitations of these palladium-catalyzed reactions would be described.

1 K. Uneyama and H. Watanabe, Tetrahedron Lett., (in press).