Supporting Information

N-Arylation of Protected Azamacrocycles**

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Figure S1. Microwave vials charged with the catalytic system: (a) Pd(OAc)$_2$ (5 mol%), P(tBu)$_3$ (8 mol%) and NaOtBu (140 mol%) in $\alpha,\alpha,\alpha$-trifluorotoluene (yellow solution on the left), and (b) Pd(OAc)$_2$ (5 mol%), P(tBu)$_3$ (8 mol%) and sodium 2,4,6-tri-tert-butylphenolate (140 mol%) in $\alpha,\alpha,\alpha$-trifluorotoluene (deep purple solution on the right).

Note: Due to the high flexibility of azamacrocycles most reported NMR spectra contain multiplets belonging to more than one conformer. The presence of conformers was confirmed using variable temperature NMR of selected examples (see S23, S39, S38).