

# Highly Efficient Construction of Benzene Ring in Carbazoles by Palladium-

## Catalyzed *Endo-mode* Oxidative Cyclization of 3-(3'-Alkenyl)indoles

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### Supporting Information (2)

#### Copies of $^1\text{H}$ NMR and $^{13}\text{C}$ NMR spectra:

Compound <b>1a</b>		S2-S3
Compound <b>1d</b>		S4-S5
Compound <b>1e</b>		S6-S7 Compound
<b>1i</b>	S8-S9	
Compound <b>1m</b>		S10-S11
Compound <b>1n</b>		S12-S13
Compound <b>4e</b>		S14-S15
Compound <b>4h</b>		S16-S17
Compound <b>4j</b>		S18-S19
Compound <b>4k</b>		S20-S21
Compound <b>4l</b>		S22-S23
Compound <b>4m</b>		S24-S25
Compound <b>5o</b>		S26-S27
Compound <b>6o</b>		S28



























































