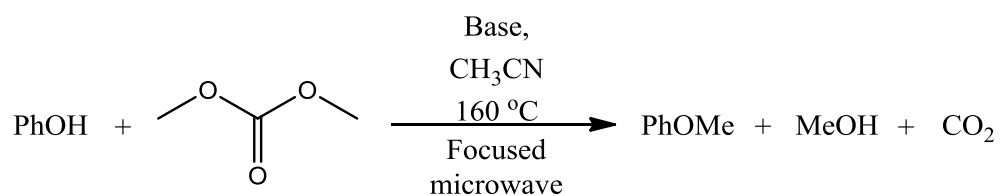


Supplementary Information for:

## Microwave-assisted Methylation of Dihydroxybenzene Derivatives with Dimethyl Carbonate

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Entry	Base	Time (min)	% yield
1	None	20	0
2	DBU	20	93.2
3	DABCO	20	85.3
4	Triethylamine	20	14.1
5	Pyridine	20	0.4
6	KOH	20	6.2
8	K <sub>2</sub> CO <sub>3</sub>	20	4.7
9	Cs <sub>2</sub> CO <sub>3</sub>	20	63.7

Table S1 – Mixtures of phenol (0.92 mmol), base (0.92 mmol), mesitylene std. (100 μL), DMC (1 mL) and MeCN (1 mL) were heated at 160 °C for 20 min in an Anton Parr 300 focused microwave. Yield determined using GC-FID, after acidification (1M HCl, 5 mL) and extraction into ethyl acetate (10 x 1 mL).