**Nuclear versus Side-Chain Bromination of 4-methoxy toluene
by an electrochemical method**

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Supporting Information

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2. Figure 2 ^1H NMR spectrum for 4-methyl 2-bromo acetanilide
3. Figure 3 ^{13}C NMR spectrum for 4-methyl 2-bromo acetanilide
4. Figure 4 ^1H NMR spectrum for 4-bromomethyl benzoic acid
5. Figure 5 ^{13}C NMR spectrum for 4- bromomethyl benzoic acid
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4-methoxy 3-bromo benzyl bromide (entry 2), white solid, 59°C, ¹H NMR(400 MHz, CDCl₃) δ 7.6(s, 1H), 7.3 (d, J=8.0 Hz, 1H), 6.8 (d, J=8.0 Hz, 1H), 4.4(s, 1H), 3.9(s, 3H).

4-methyl 2-bromo acetanilide (entry 6), white solid, 114°C, ¹H NMR(400 MHz, CDCl₃) δ 8.1(d, J=8.0 Hz, 1H), (s, 1H), 6.8 (d, J=8.0 Hz, 1H), 7.3(s, 1H), 7.1 (d, J=8Hz, 1H), 2.3(s, 3H), 2.2(s, CH₃). ¹³C NMR(400 MHz, CDCl₃) δ 168.0, 135.1, 132.7, 132.1, 129.3, 128.6, 121.9, 119.7, 113.3, 77.1, 76.8, 76.5, 24.4, 24.0, 20.5, 20.2.

4-bromomethyl benzoic acid (entry 10), white solid, 224 °C, ¹H NMR(400 MHz, DMSO) δ 7.9 (s, 2H), 7.5 (s, 2H), 4.8 (s, 2H). ¹³C NMR(400 MHz, DMSO) δ 167.0, 142.9, 130.7, 129.8, 129.6 90.1, 39.3, 33.4.

3,5-dimethyl 2,6-dibromo anisole (entry 4), white solid, 74°C, ¹H NMR(400 MHz, CDCl₃) δ 6.6 (s, 1H), 3.8 (s, 3H), 2.6 (s, 3H). 2.4 (s, 3H)

4-benzoyloxy benzyl bromide (entry 7), white solid, 108°C, ¹H NMR(400 MHz, CDCl₃) δ 8.2 (d, J=8Hz, 2H) 7.6 (d, J=8Hz, 1H) 7.5 (s, 4H), 7.2 (s, 1H), 7.1 (d, J=8Hz). 4.5 (s, 2H).

Figure 1 ^1H NMR spectrum for 4- methoxy 3-bromo benzyl bromide

Figure 2 ¹HNMR spectrum for 4-methyl 2-bromo acetanilide

Figure 3 ^{13}C NMR spectrum for 4-methyl 2-bromo acetanilide

Figure 4 ¹H NMR spectrum for 4-bromomethyl benzoic acid

Figure 5 ^{13}C NMR spectrum for 4- bromomethyl benzoic acid

Figure 6 ^1H NMR spectrum for 3,5-dimethyl 2,6-dibromo anisole

Figure 7 ^1H NMR spectrum for 4-bromomethyl phenyl benzoate (crude product)