Supporting information

Novel 1,8-naphthalimide derivatives for standard-red organic light-emitting device applications

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6) ¹H NMR, ¹³C NMR, FT-IR and HRMS spectra of Nap1–3.
**Figure S1** Lippert-Mataga plots of the wave number of the Stokes shifts ($\Delta \nu$) of **Nap1**–**3** versus solvent polarity parameter ($\Delta f = f(\varepsilon) - f(n^2)$).

**Figure S2** Cyclic voltammograms of blank MeCN solution and **Nap1**–**3** solution samples. The oxidation and reduction potentials were determined relative to Ag/Ag$^+$ in $5 \times 10^{-4}$ M acetonitrile solutions, using Fc/Fc$^+$ as external reference.
Figure S3 Normalized absorption spectra of Nap1-3 in $5 \times 10^{-5}$ M acetonitrile solutions.

Figure S4 EL spectra of devices I, II and III under different driving current densities.
**Figure S5** Current efficiency-current density characteristics of devices I, II, and III.
$^1$H NMR, $^{13}$C NMR, FT-IR and HRMS spectra of Nap1-3.

$^1$H NMR spectrum of Nap1.

$^{13}$C NMR spectrum of Nap1.
FT-IR spectrum of Nap1.

HRMS spectrum of Nap1.
$^1$H NMR spectrum of Nap2.

$^{13}$C NMR spectrum of Nap2.
FT-IR spectrum of Nap2.

HRMS spectrum of Nap2.
$^1$H NMR spectrum of Nap3.

$^{13}$C NMR spectrum of Nap3.
FT-IR spectrum of Nap3.

HRMS spectrum of Nap3.