

Electronic Supporting Information

Anionic cyclometallated Pt(II) square planar complexes. New sets of highly luminescent compounds

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Table S1. Emission quantum yields of **1**, **5** in frozen DMSO solution ($1 \cdot 10^{-5}$ M) at T=4°C

Compound	Φ (%)
1	1.9
5	0.10

Table S2. Lifetime data of complex **3** in DMSO solution at 298K at different concentration (Excitation wavelength: 379 nm)

Molar concentration	Lifetime, $\tau(\alpha)$ /ns(%)
$3.4 \cdot 10^{-4}$	163.3(3.55), 445.3(96.45)
$1.7 \cdot 10^{-4}$	174.5(5.89), 415.5(94.11)
$8.6 \cdot 10^{-5}$	201.2(5.53), 445.1(94.47)
$4.3 \cdot 10^{-5}$	263.7(13.17), 458.6(86.83)
$2.1 \cdot 10^{-5}$	271.1(13.26), 463.5(86.74)
$1 \cdot 10^{-5}$	331.1(28.43), 471.2(71.57)
$5.3 \cdot 10^{-6}$	169.2(4.25), 435.1(95.75)
$2.6 \cdot 10^{-6}$	118.2(2.52), 428.7(97.48)
$1.3 \cdot 10^{-6}$	15.1(0.95), 424.2(99.05)

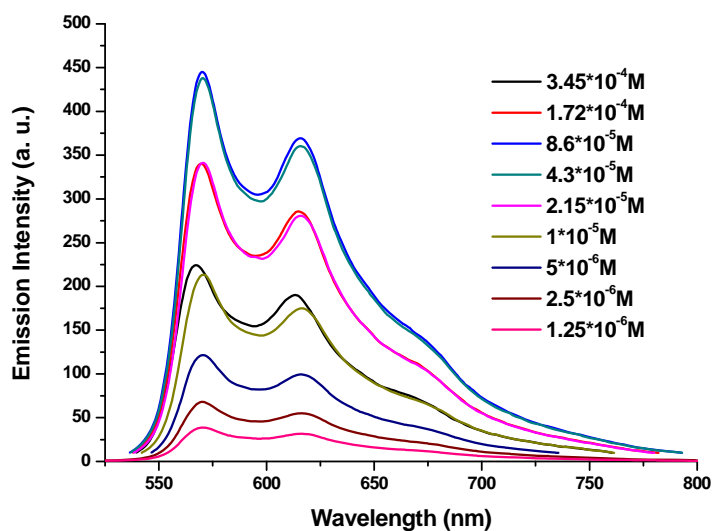


Figure S1. Emission spectra of complex **3** in DMSO solution at 298K at different concentration (Excitation wavelength: 379 nm)

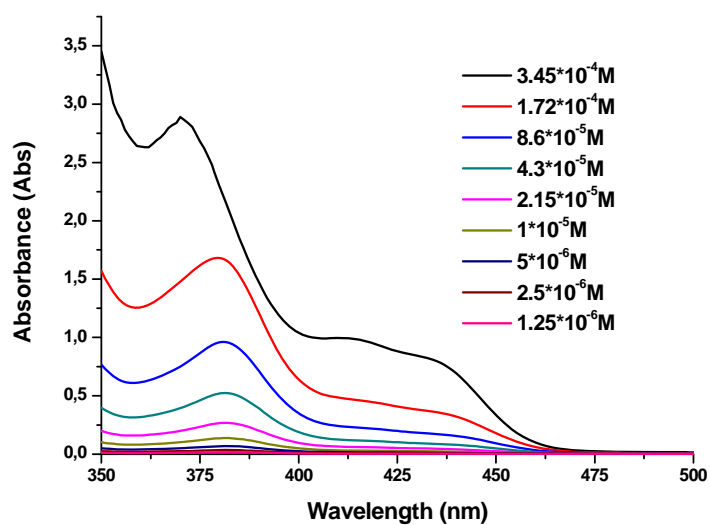


Figure S2. Absorption spectra of complex **3** in DMSO solution at 298K at different concentration

Table S3. CIE chromaticity coordinates of **1-8** in the solid phase

Compound	x	y
1	0.28	0.59
2	0.23	0.35
3	0.54	0.45
4	0.27	0.54
5	0.33	0.51
6	0.29	0.41
7	0.48	0.51
8	0.41	0.55

