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Electronic Supporting Information

Palladium-catalyzed alkyne polyannulation of diphenols and unactivated internal diynes: a new synthetic route to functional hetrocyclic polymers

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Table S1 Crystal data and structure refinement for model compound **3**.

Fig. S1 Emission spectra of P1/2d in THF solution and as solid film. Solution concentration: $10 \,\mu\text{M}$; excitation wavelength: $325 \,\text{nm}$.

 Table S1 Crystal data and structure refinement for model compound 3.

$C_{21}H_{16}O_3S$	
348.40	
173.15 K	
1.5418 Å	
Triclinic	
P-1	
a = 9.8165(6) Å	α = 100.954(7)°.
b = 12.2268(10) Å	β = 94.518(6)°.
	$\gamma = 94.518(6)^{\circ}$.
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4	
1.398 Mg/m^3	
1.880 mm ⁻¹	
728	
$0.30 \times 0.08 \times 0.04 \text{ mm}^3$	
9.40 to 67.49°.	
-8<=h<=11, -14<=k<=14, -17<=l<=17	
9565	
5695 [R(int) = 0.0495]	
95.83 %	
Semi-empirical from equivalents	
1.00000 and 0.81802	
Full-matrix least-squares on F ²	
5695 / 0 / 453	
1.001	
R1 = 0.0539, $wR2 = 0.1251$	
R1 = 0.0823, $wR2 = 0.1392$	
0.625 and -0.412 e.Å ⁻³	
	348.40 173.15 K 1.5418 Å Triclinic P-1 a = 9.8165(6) Å b = 12.2268(10) Å c = 14.5725(12) Å 1655.1(2) Å ³ 4 1.398 Mg/m ³ 1.880 mm ⁻¹ 728 0.30 × 0.08 × 0.04 mm ³ 9.40 to 67.49°. -8<=h<=11, -14<=k<=14 9565 5695 [R(int) = 0.0495] 95.83 % Semi-empirical from equal 1.00000 and 0.81802 Full-matrix least-squares 5695 / 0 / 453 1.001 R1 = 0.0539, wR2 = 0.12

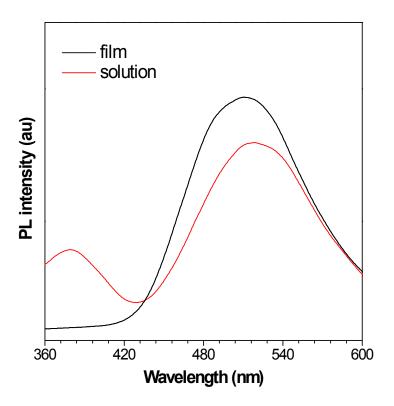


Fig. S1 Emission spectra of P1/2d in THF solution and as solid film. Solution concentration: $10~\mu M$; excitation wavelength: 325~nm.