

Electronic supplementary information for

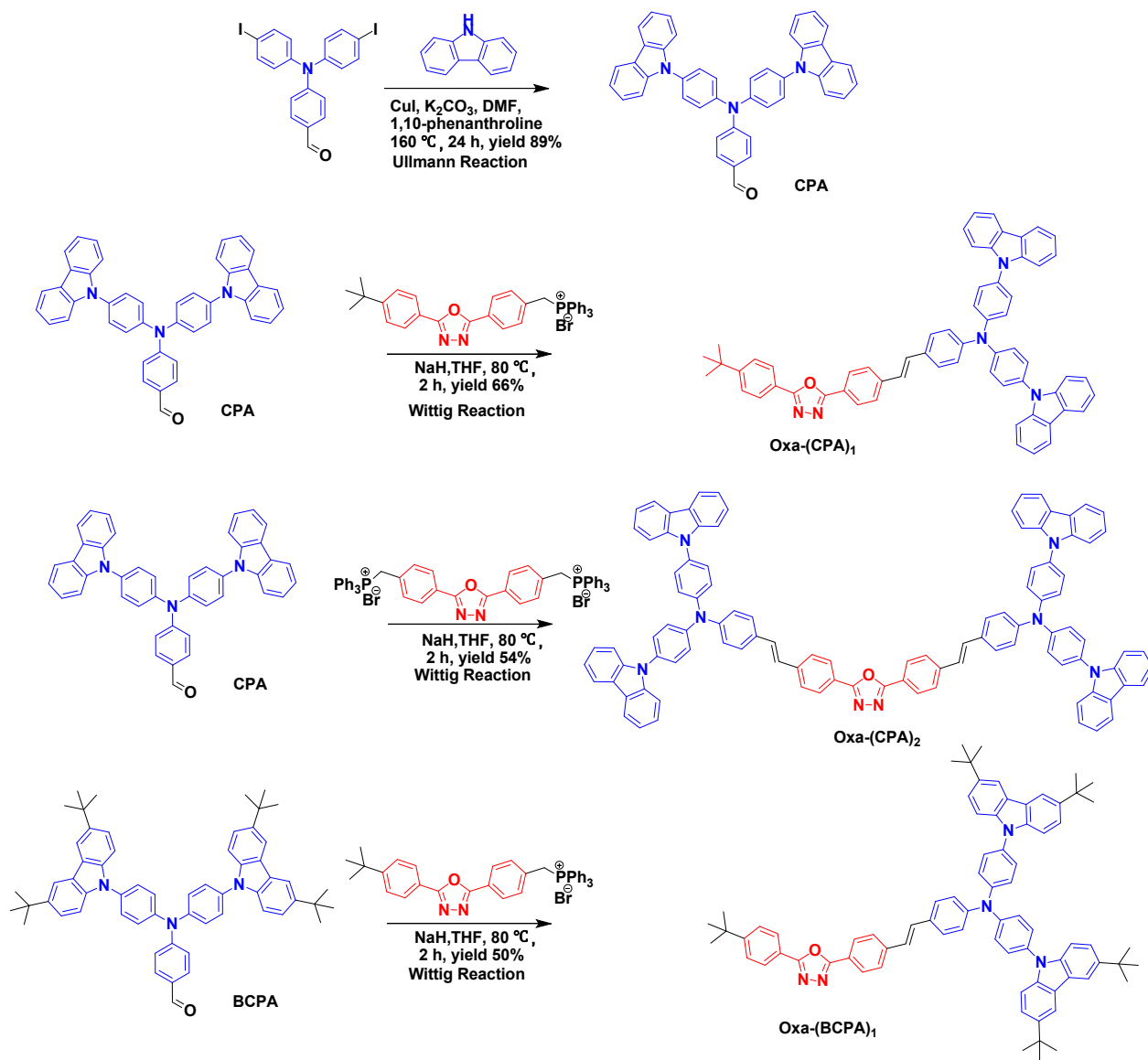
Photophysical properties, aggregation-induced fluorescence in nanoaggregates and cell imaging of 2,5-bisaryl 1,3,4-oxadiazoles

Yongchang Jin, Ying Qian*

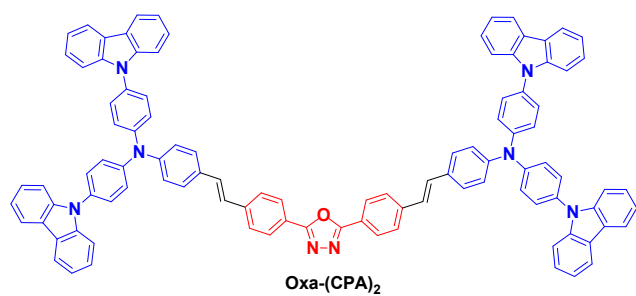
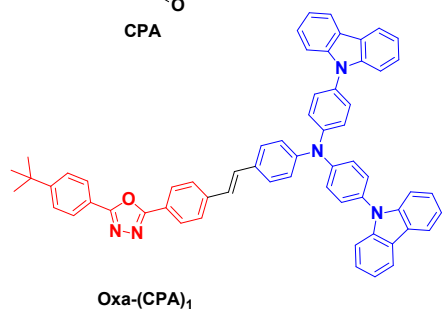
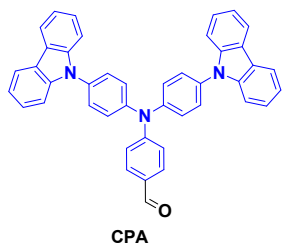
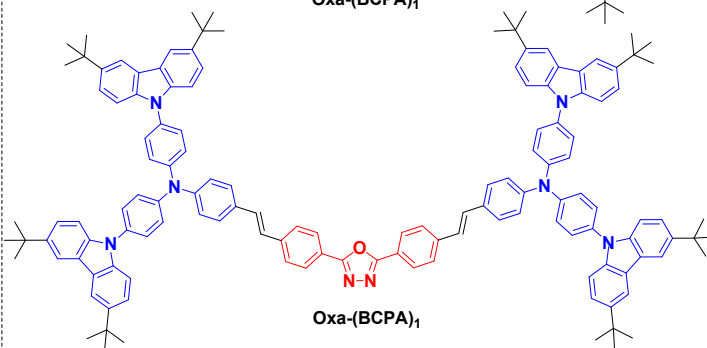
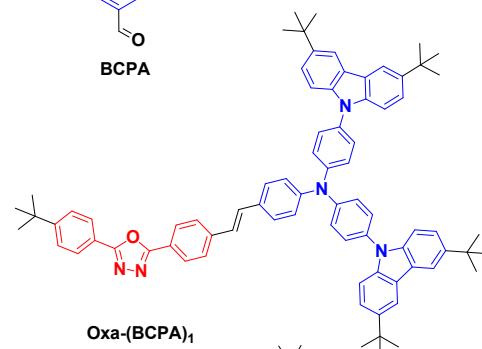
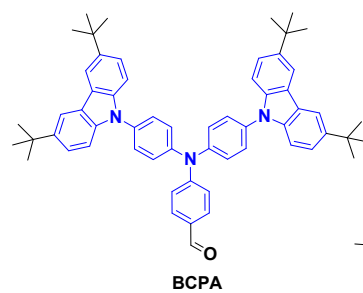
Contents

1. Synthetic routes of target chromophores
2. Characterization of target chromophores

1. Synthetic routes of target chromophores



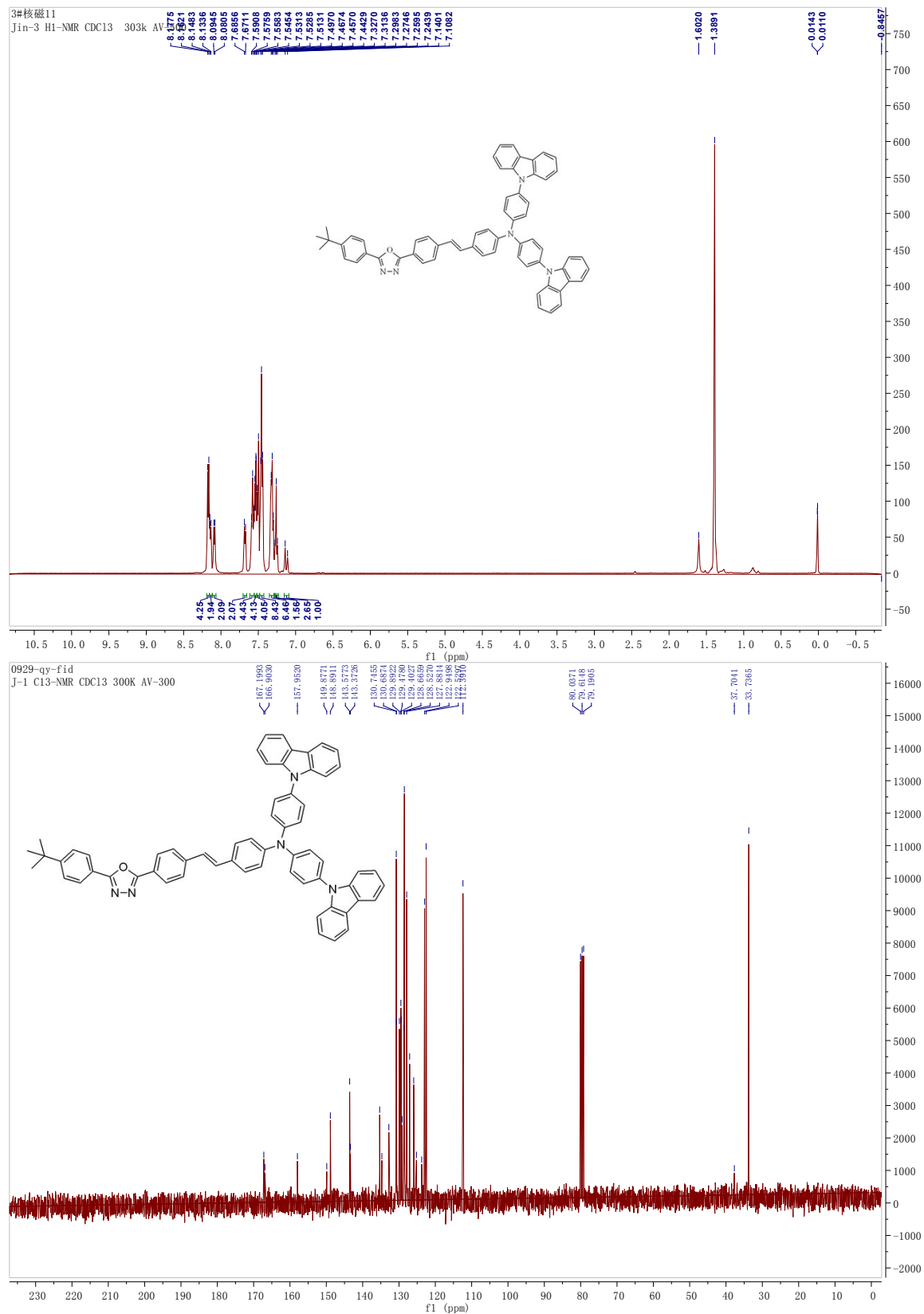
Scheme S1 Synthesis of CPA and target chromophores Oxa-(CPA)₁, Oxa-(CPA)₂, and Oxa-(BCPA)₁.

Group 1**Group 2**

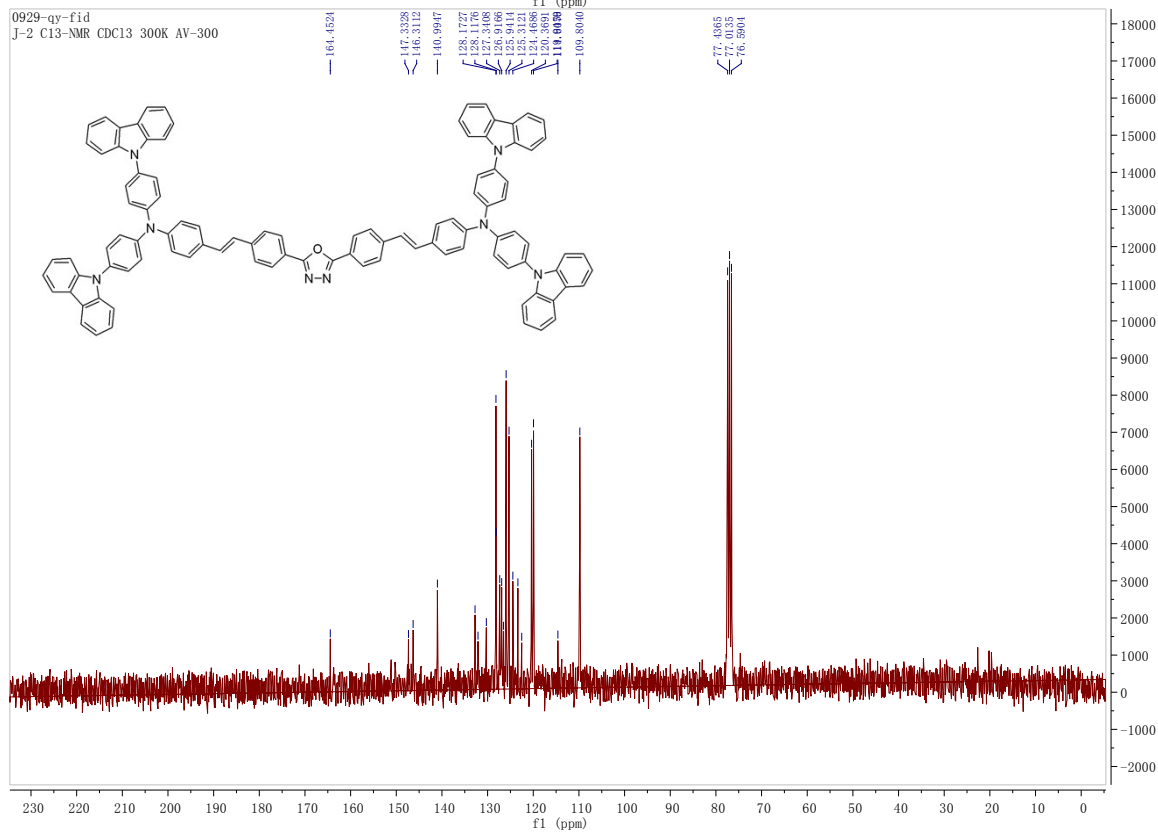
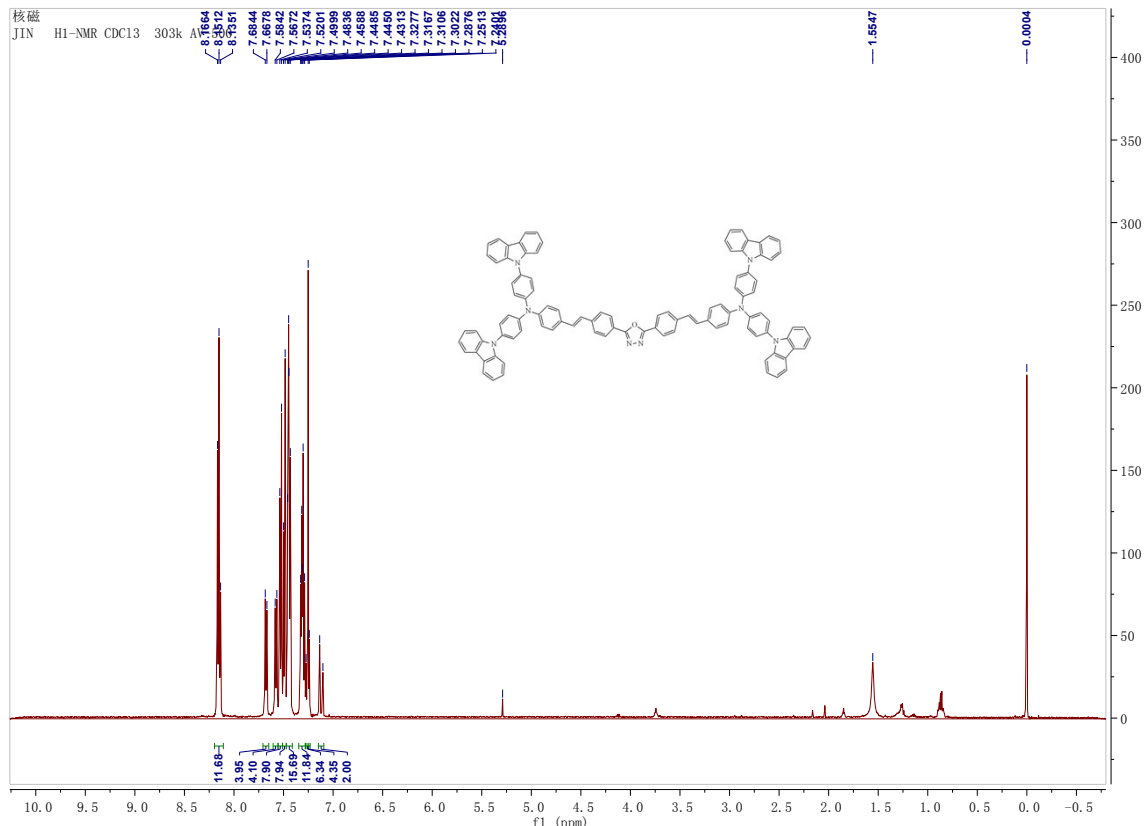
Scheme S2 CPA/BCPA and four 2,5-bisaryl-1,3,4-oxadiazoles divided into two groups by structures without (group 1) or with (group 2) tert-butyls on the 3,6-positions of carbazoles.

2. Characterization of target chromophores

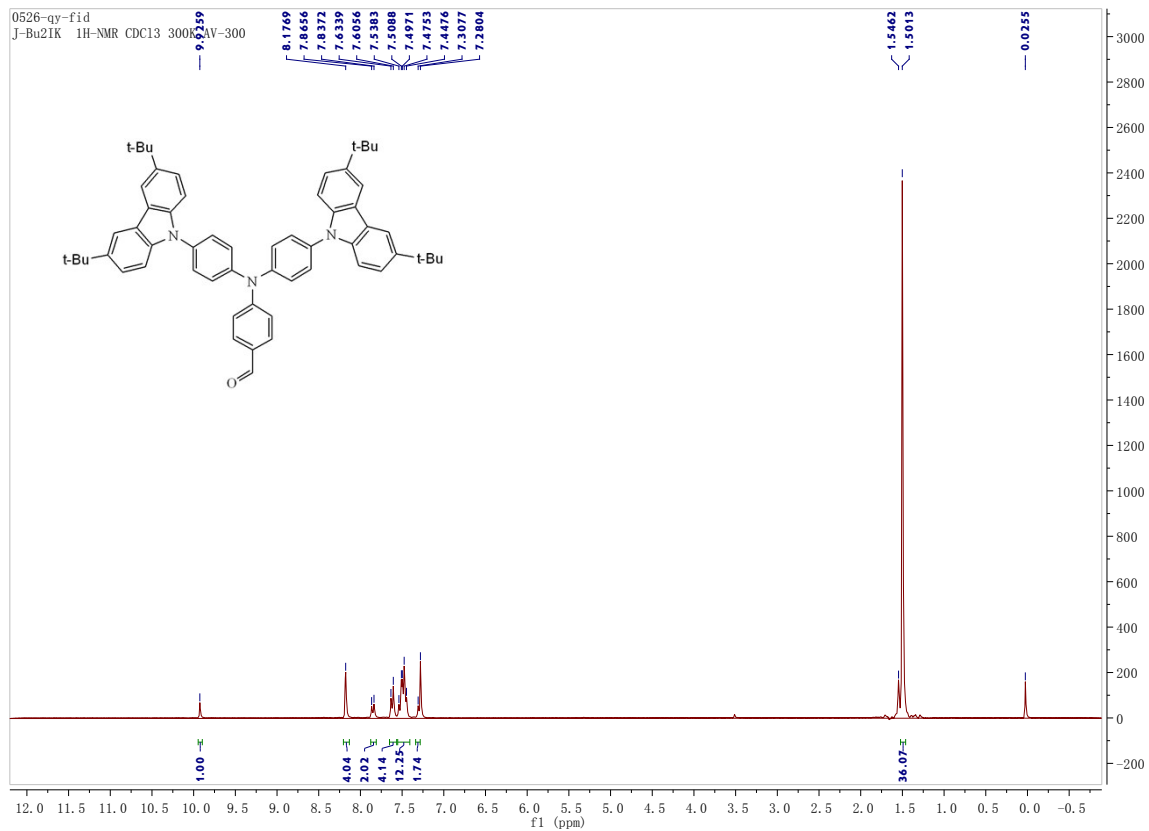
Oxa-(CPA)₁.



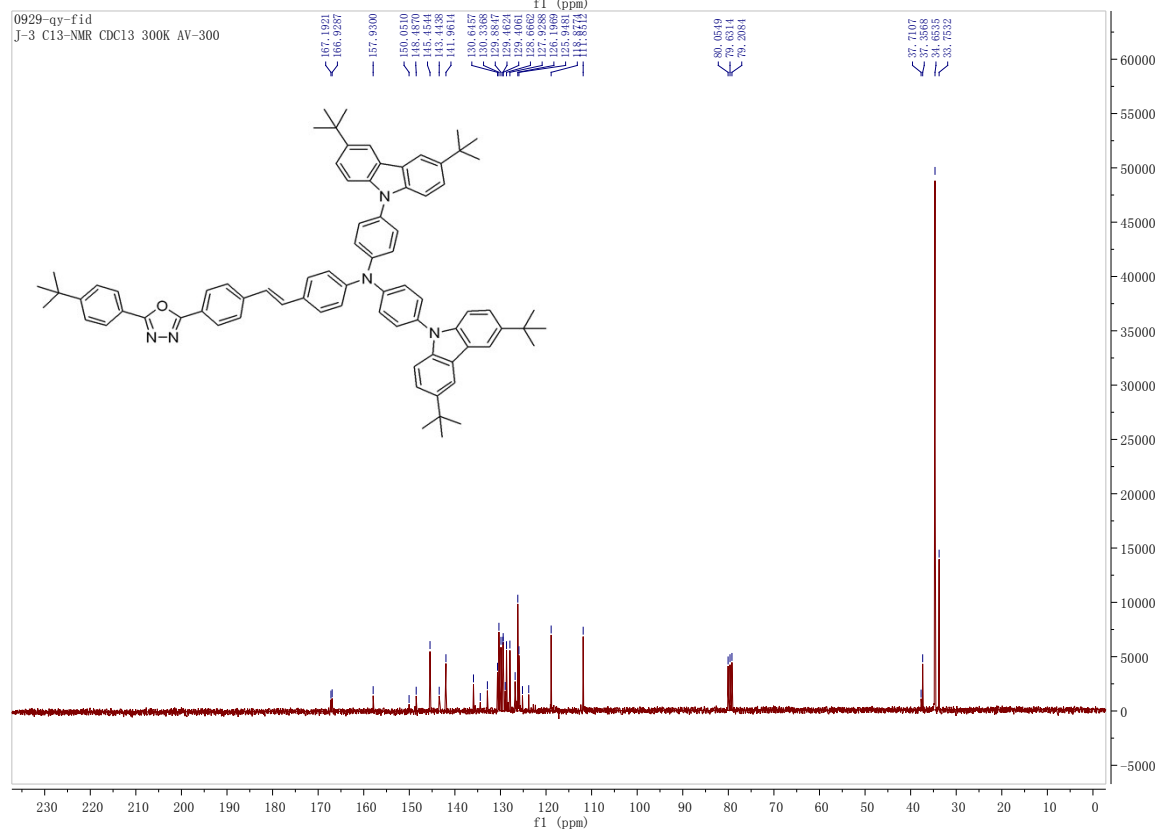
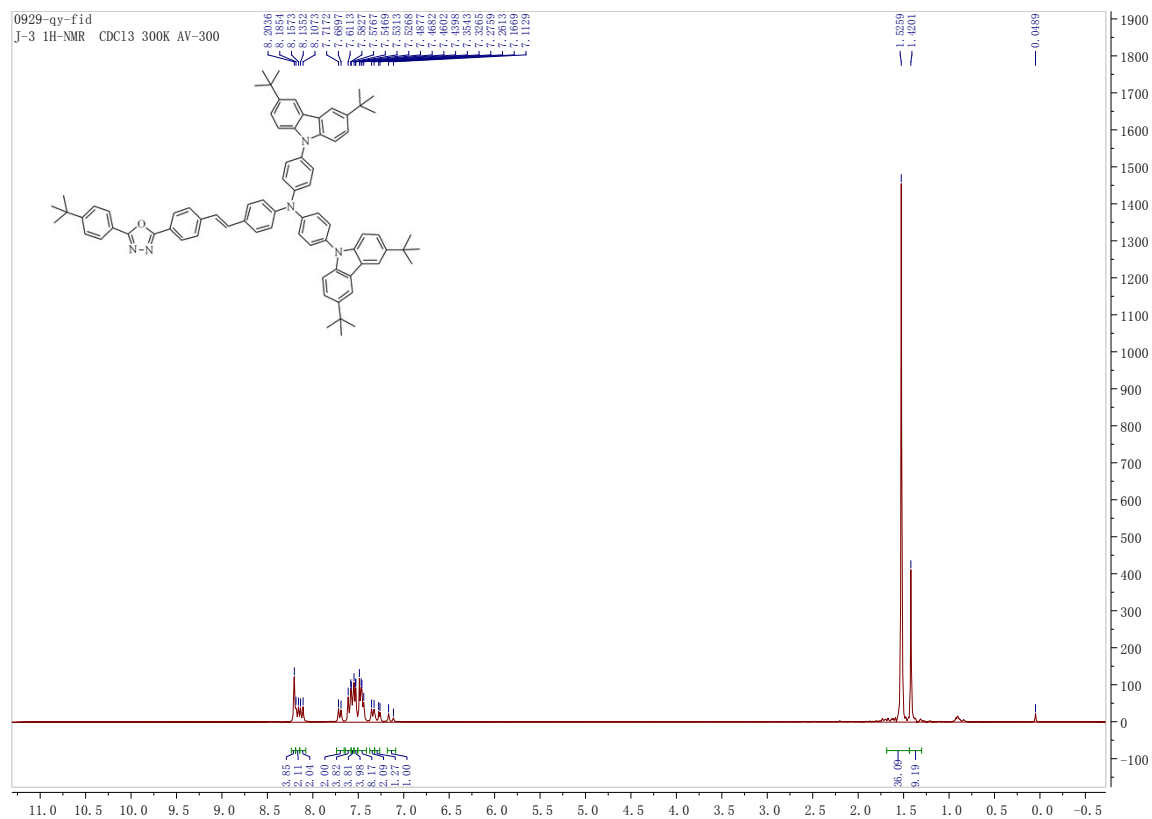
Oxa-(CPA)₂.



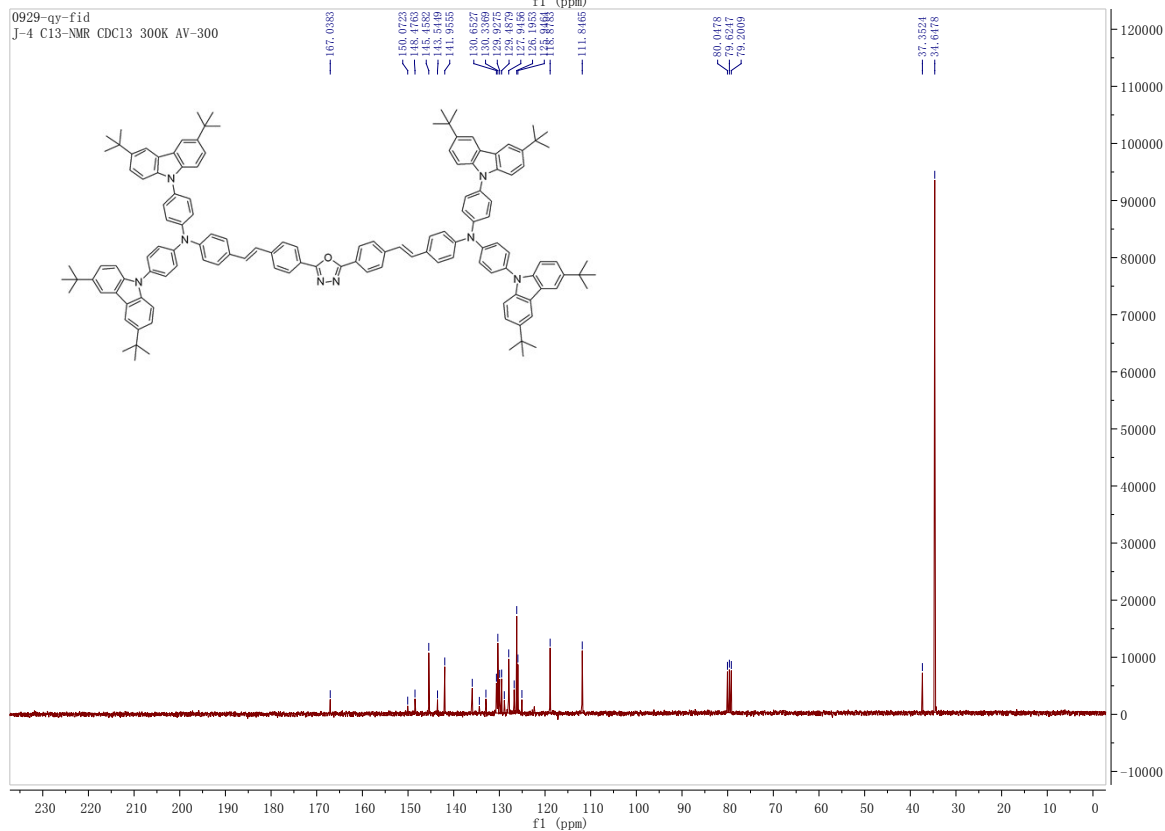
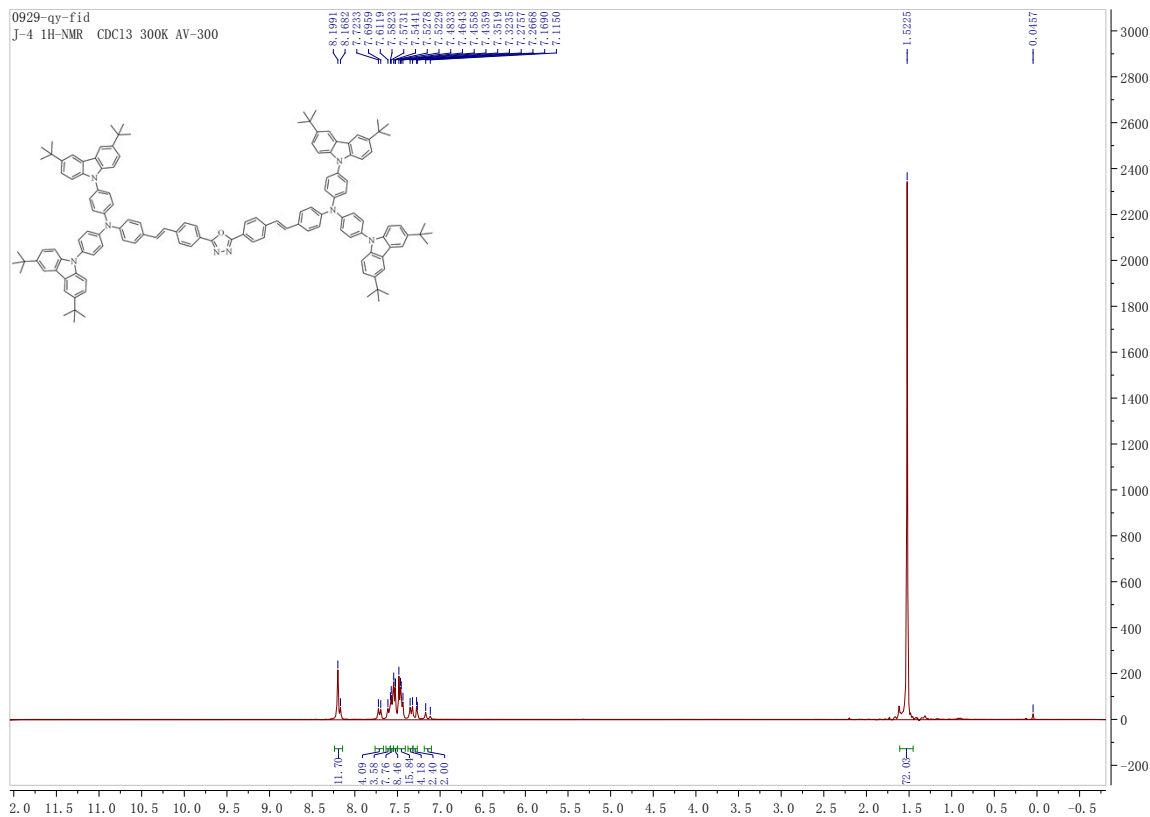
BCPA.



Oxa-(BCPA)₁



Oxa-(BCPA)₂



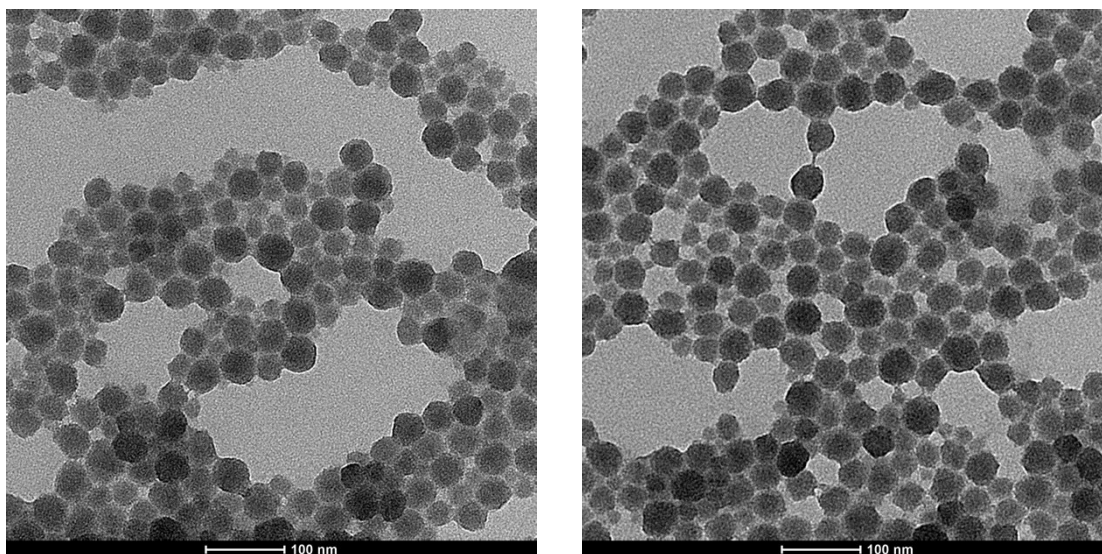


Fig. S1 TEM pictures of Oxa-(BCPA)₁ (left) and Oxa-(CPA)₂ (right) doped amino-group-functionalized nanoparticles with average diameter of 30 nm.

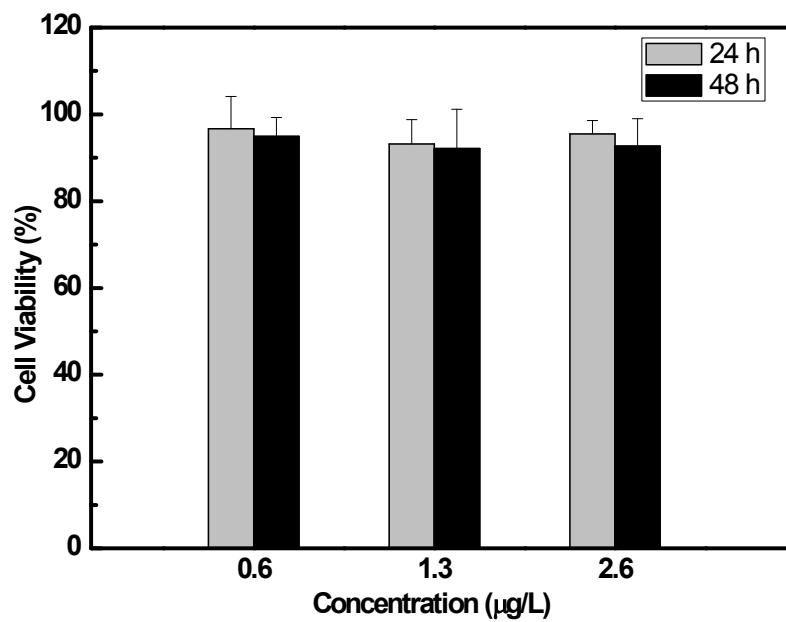


Fig. S2 Metabolic viability of HeLa cells after incubation with Oxa-(BCPA)₁-loaded BSA-NPs at various concentrations (counted by the content of pure dyes) for 24 h and 48 h, respectively.