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Electronic Supplementary Information (ESI)

$D-A-\pi-A$ featured sensitizers containing auxiliary acceptor of benzoxadiazole: molecular engineering and cosensitization

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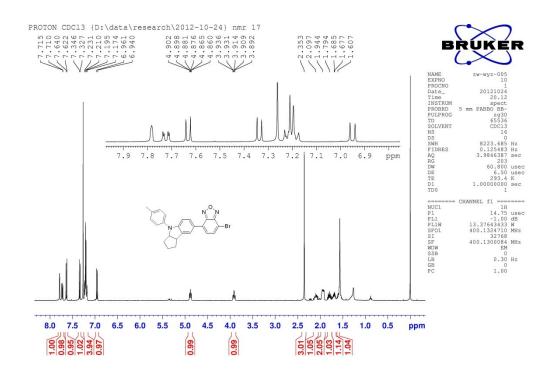


Fig. S1 ¹H NMR of compound 1 in CDCl₃

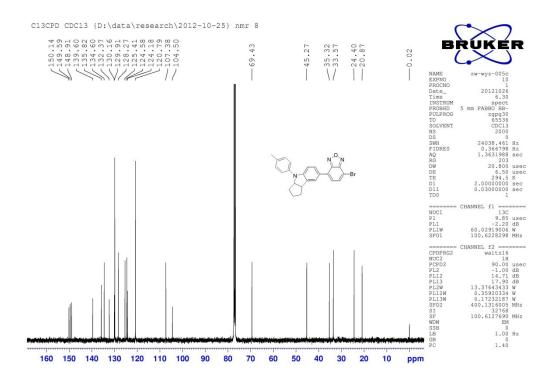


Fig. S2 ¹³C NMR of compound 1 in CDCl₃

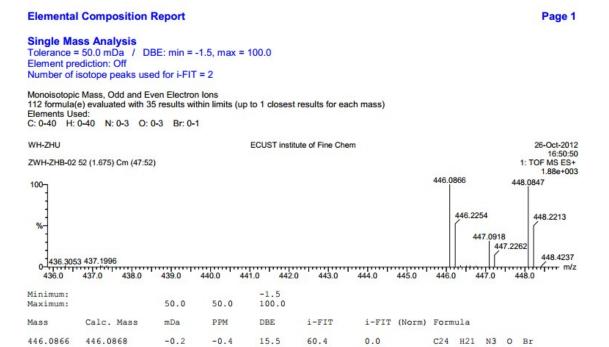


Fig. S3 HRMS of compound 1

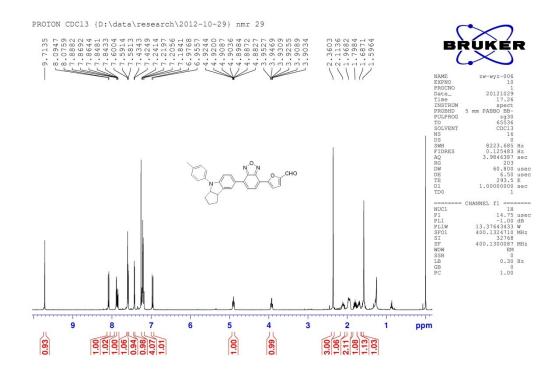


Fig. S4 ¹H NMR of compound 2 in CDCl₃

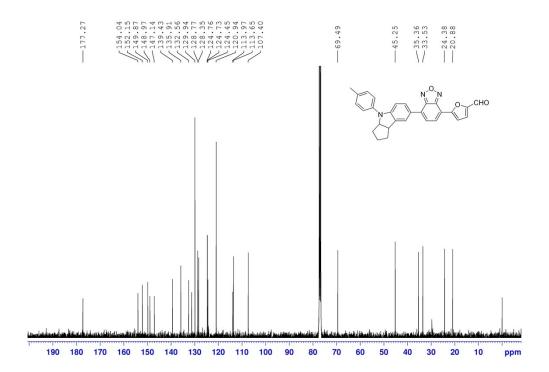


Fig. S5 ¹³C NMR of compound 2 in CDCl₃

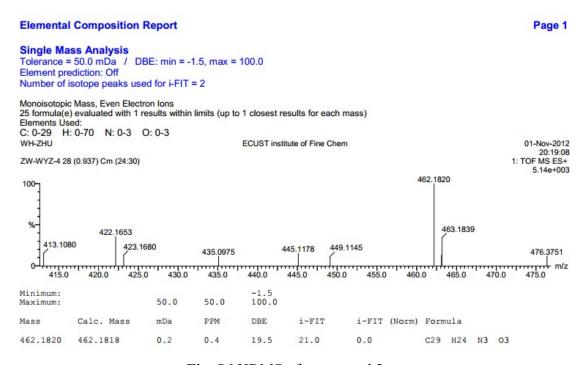


Fig. S6 HRMS of compound 2

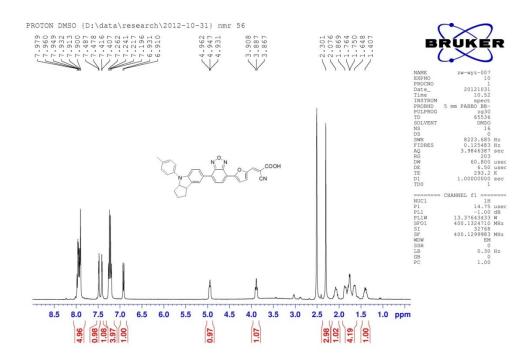


Fig. S7 1 H NMR of **WS-24** in DMSO- d_{6}

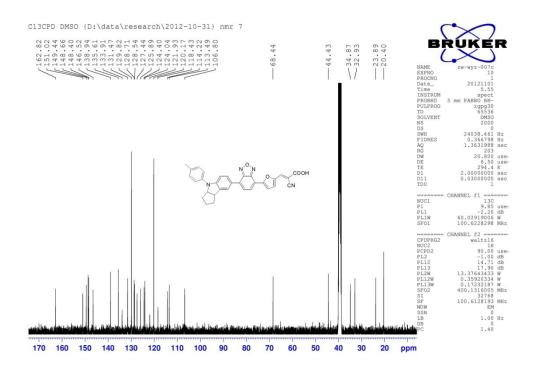


Fig. S8 13 C NMR of WS-24 in DMSO- d_6

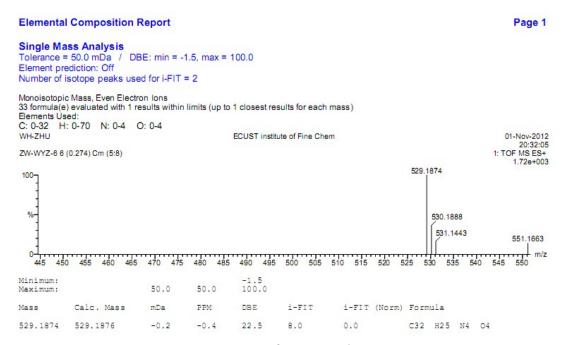


Fig. S9 HRMS of compound WS-24

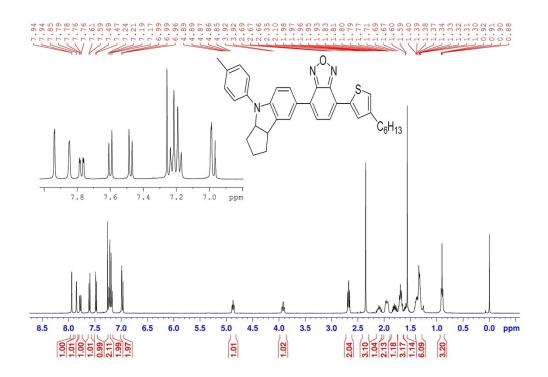


Fig. S10 ¹H NMR of compound 3 in CDCl₃

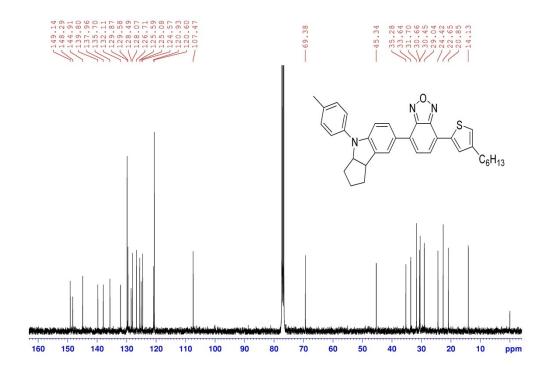


Fig. S11 ¹³C NMR of compound 3 in CDCl₃

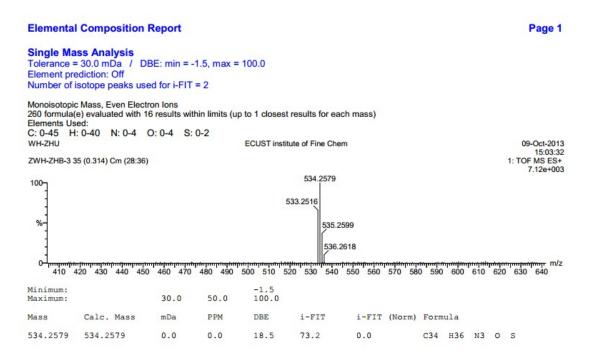


Fig. S12 HRMS of compound 3

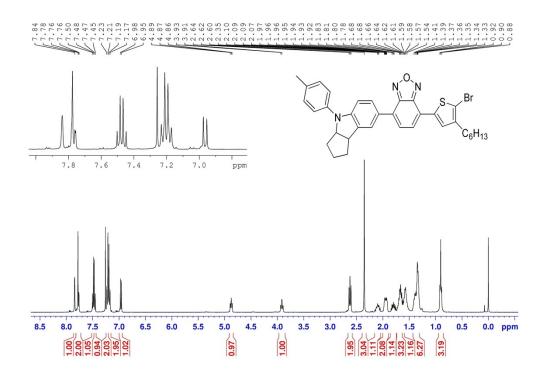


Fig. S13 ¹H NMR of compound 4 in CDCl₃

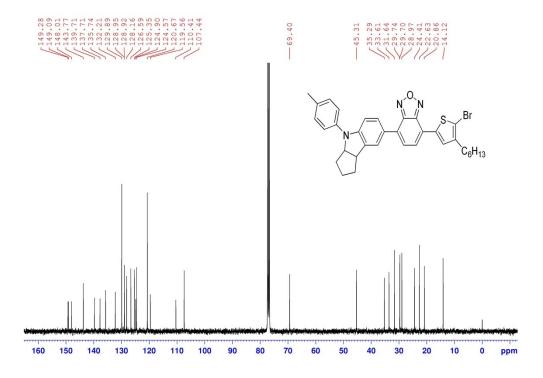


Fig. S14 13 C NMR of compound 4 in CDCl $_3$

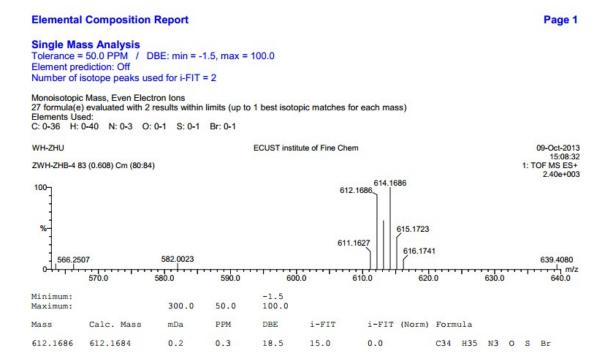


Fig. S15 HRMS of compound 4

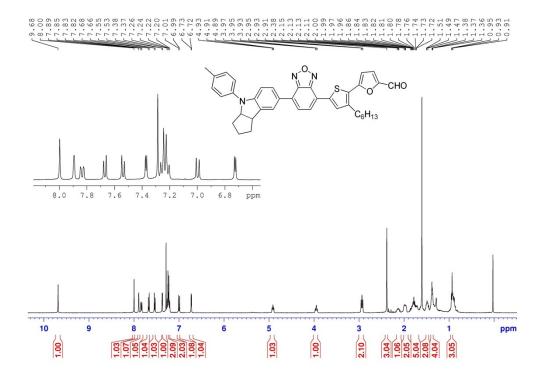


Fig. S16 ¹H NMR of compound 5 in CDCl₃

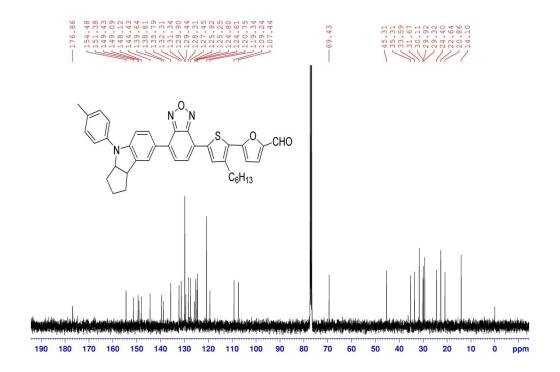


Fig. S17 ¹³C NMR of compound 5 in CDCl₃

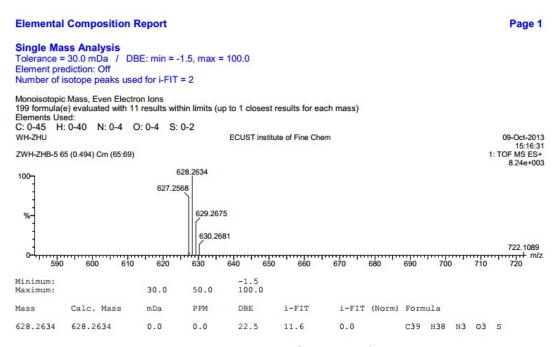


Fig. S18 HRMS of compound 5

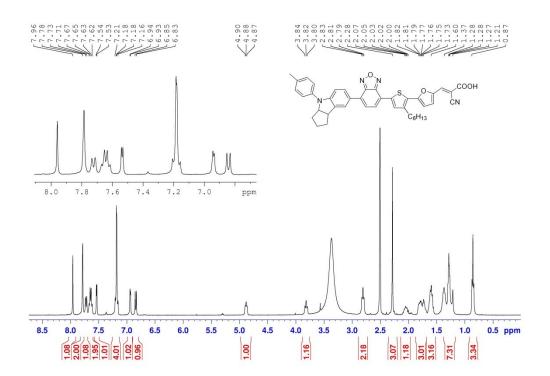


Fig. S19 1 H NMR of WS-26 in DMSO- d_{6}

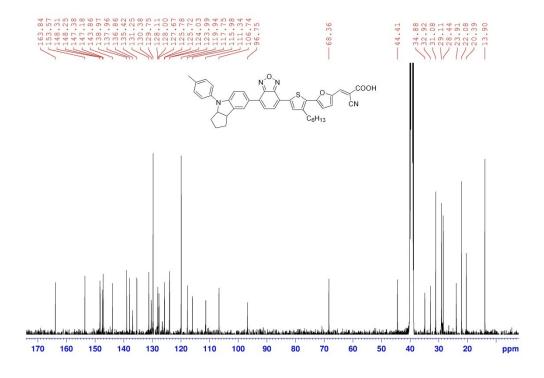


Fig. S20 13 C NMR of dye **WS-26** in DMSO- d_6

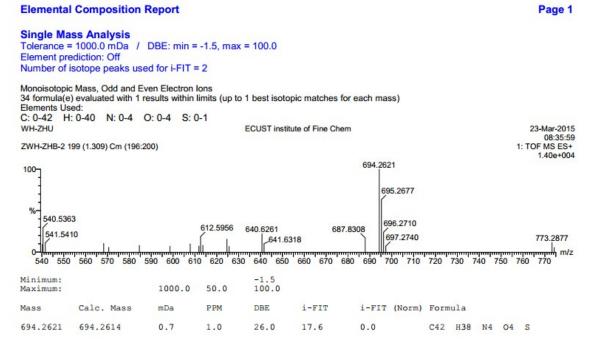


Fig. S21 HRMS of WS-26