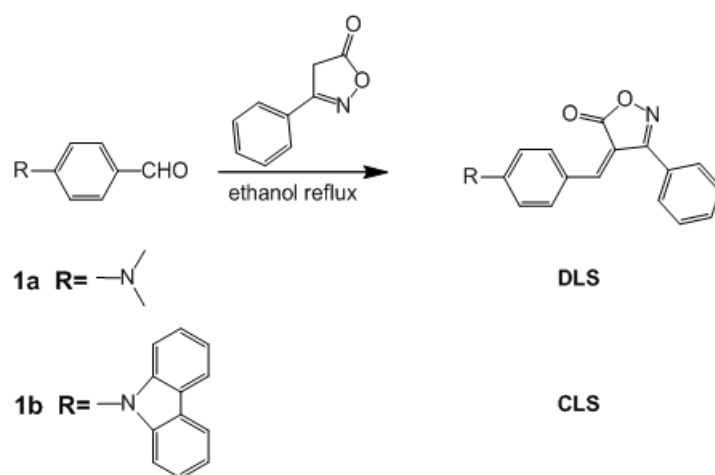


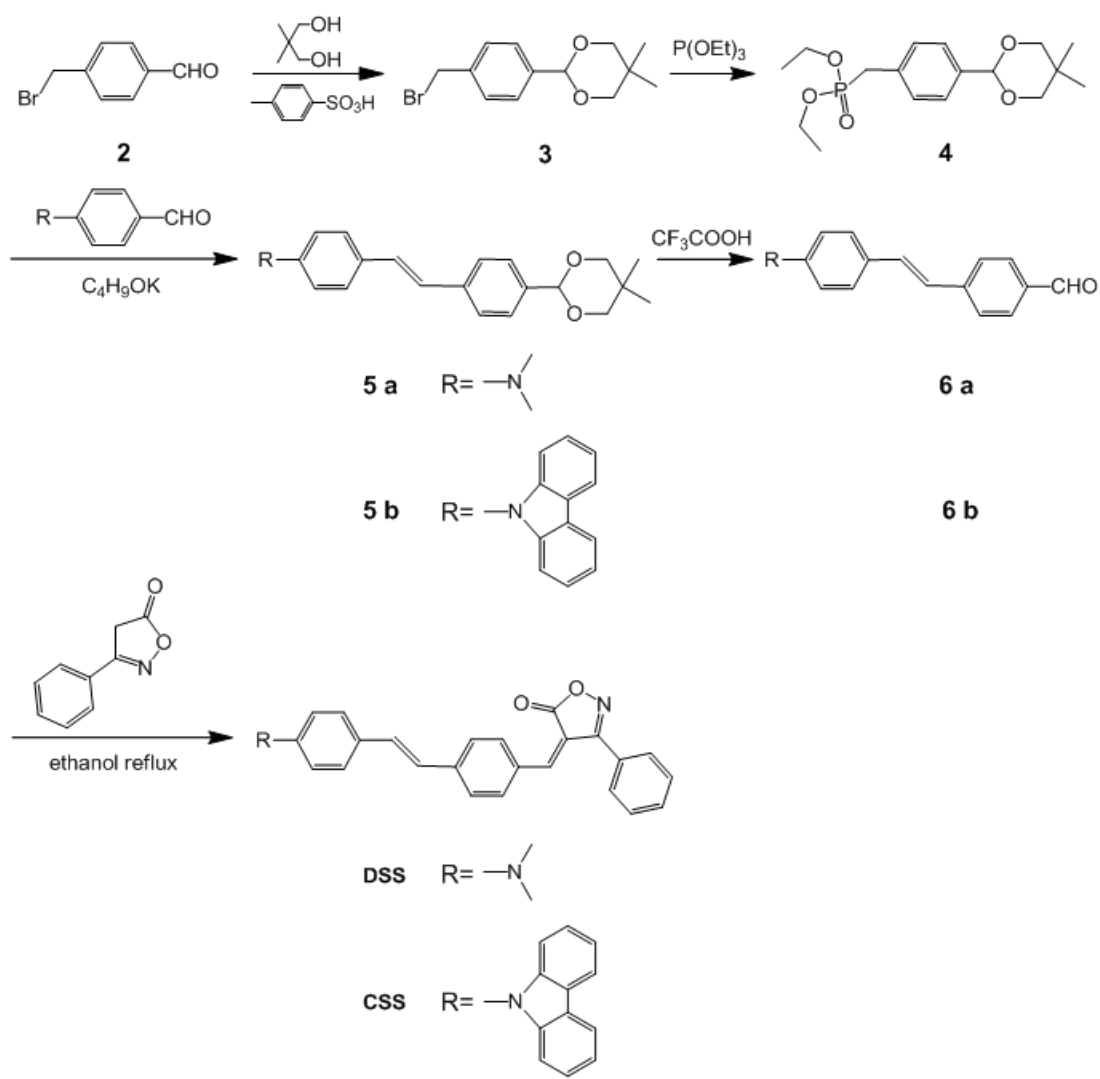
Supporting Information

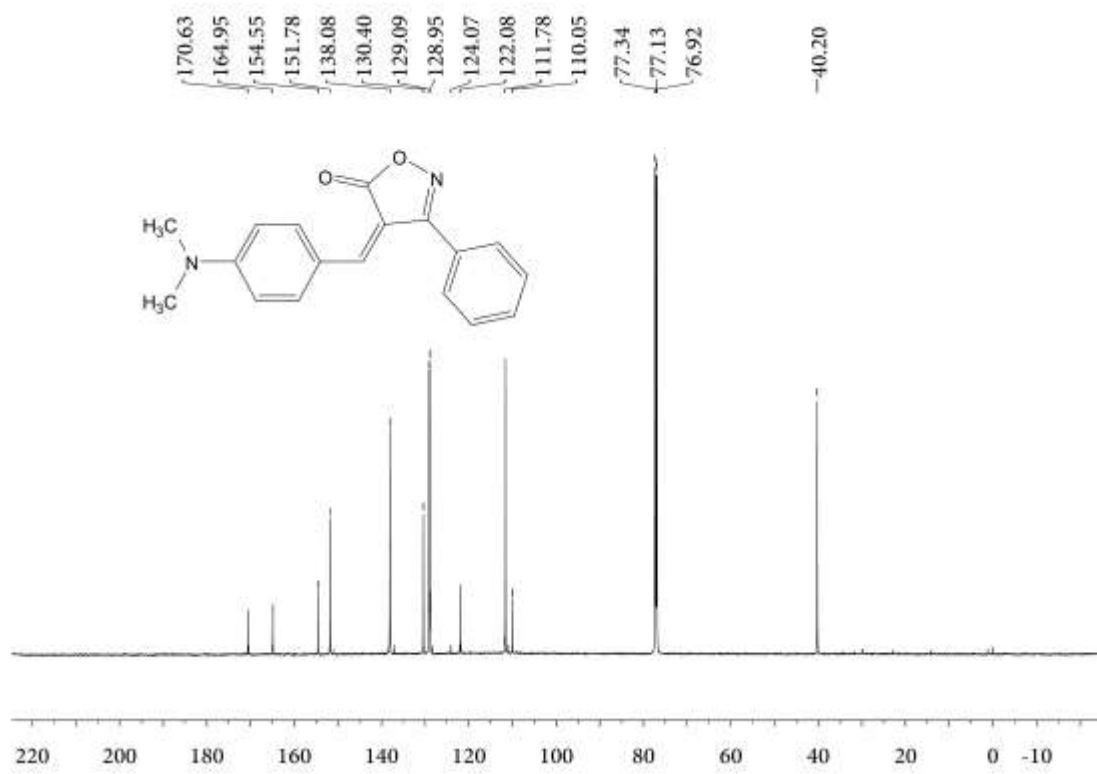
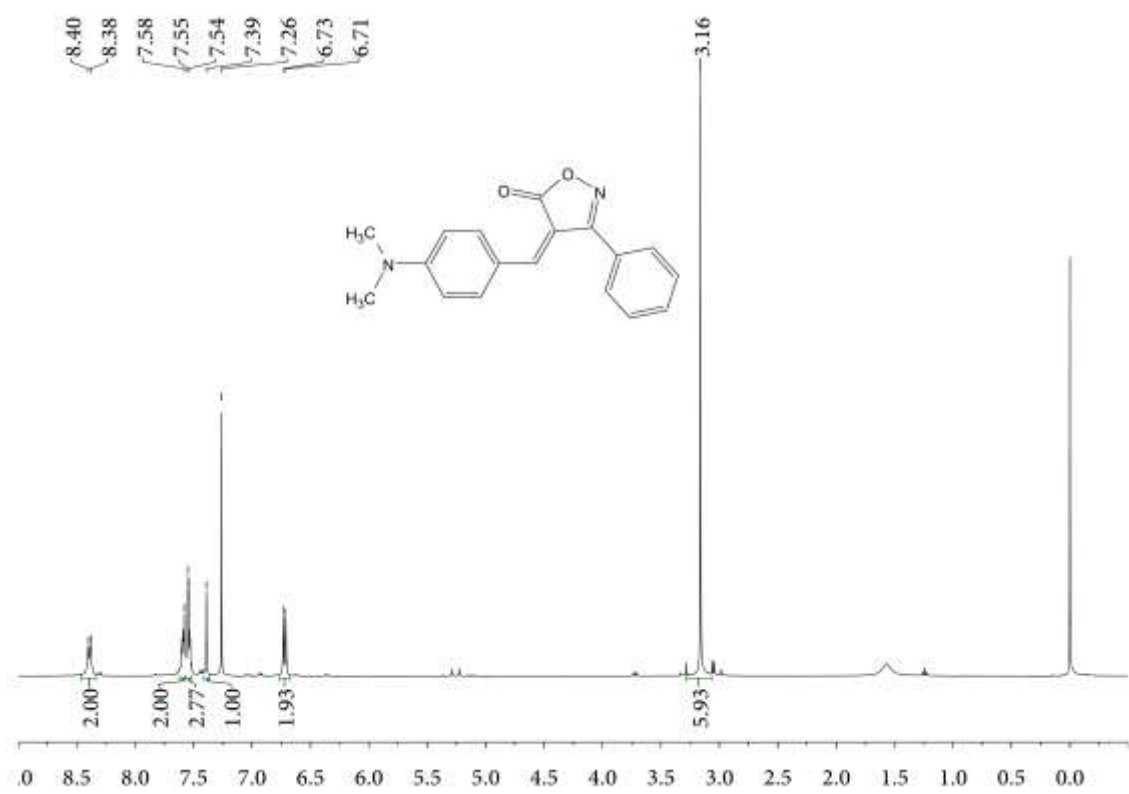
Synthesis of Donor-Acceptor Molecules Based on Isoxazolones for Nonlinear Optical Properties

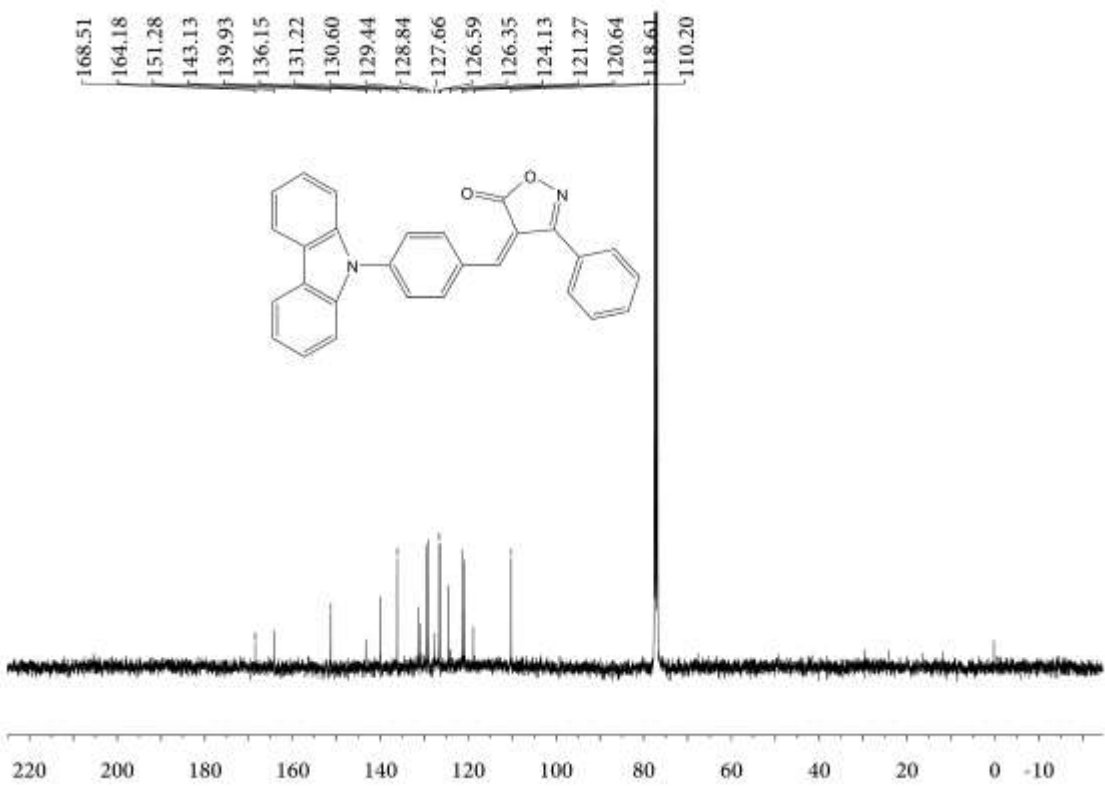
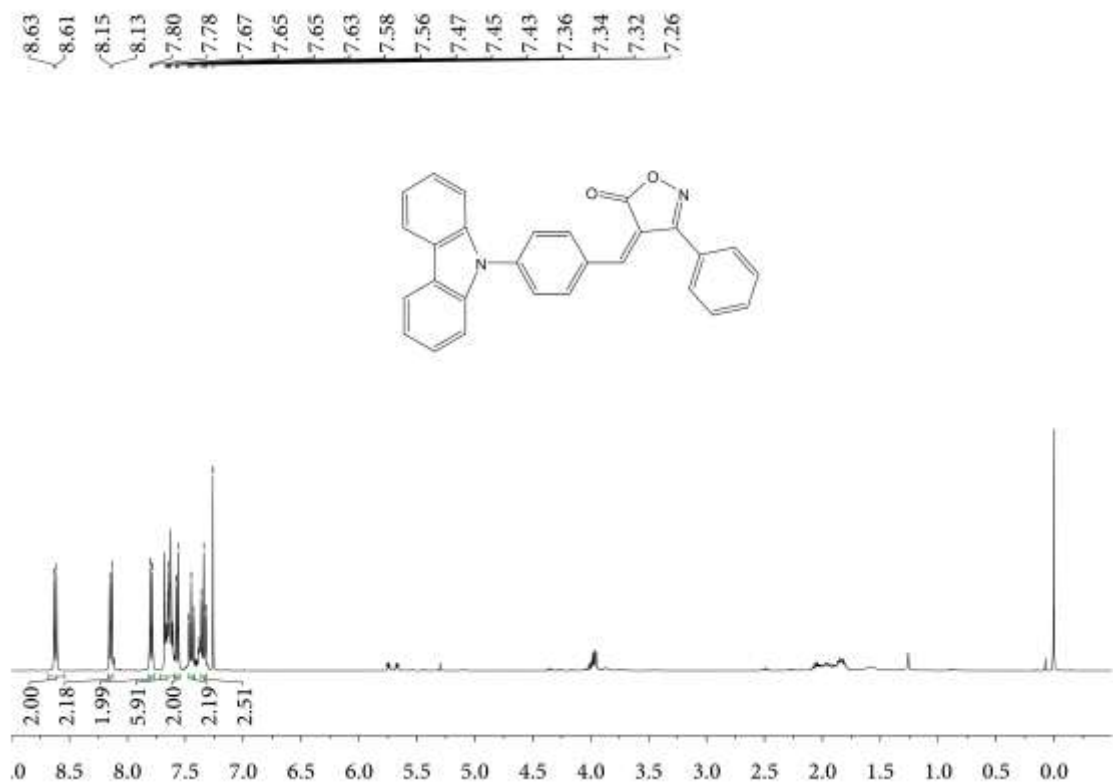
Di Jiang,^a Zheng Xue,^a Yongjun Li,^{*b} Huibiao Liu,^b and Wensheng Yang^{*a}

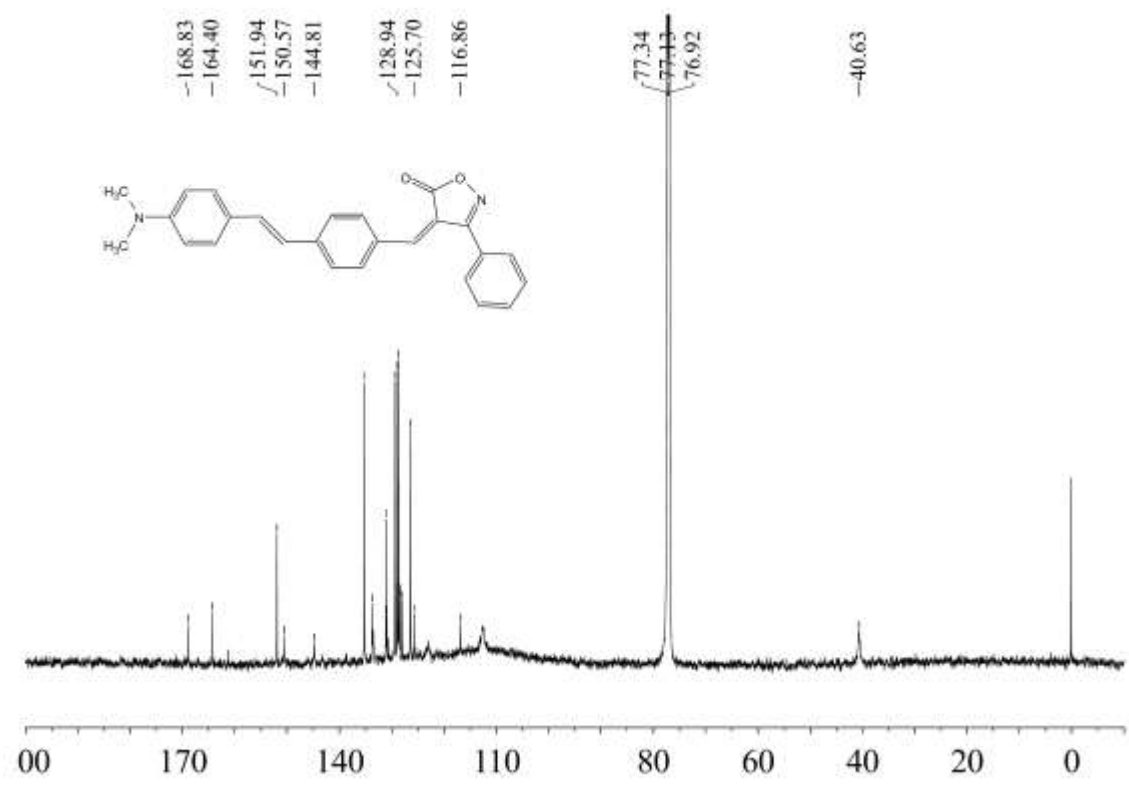
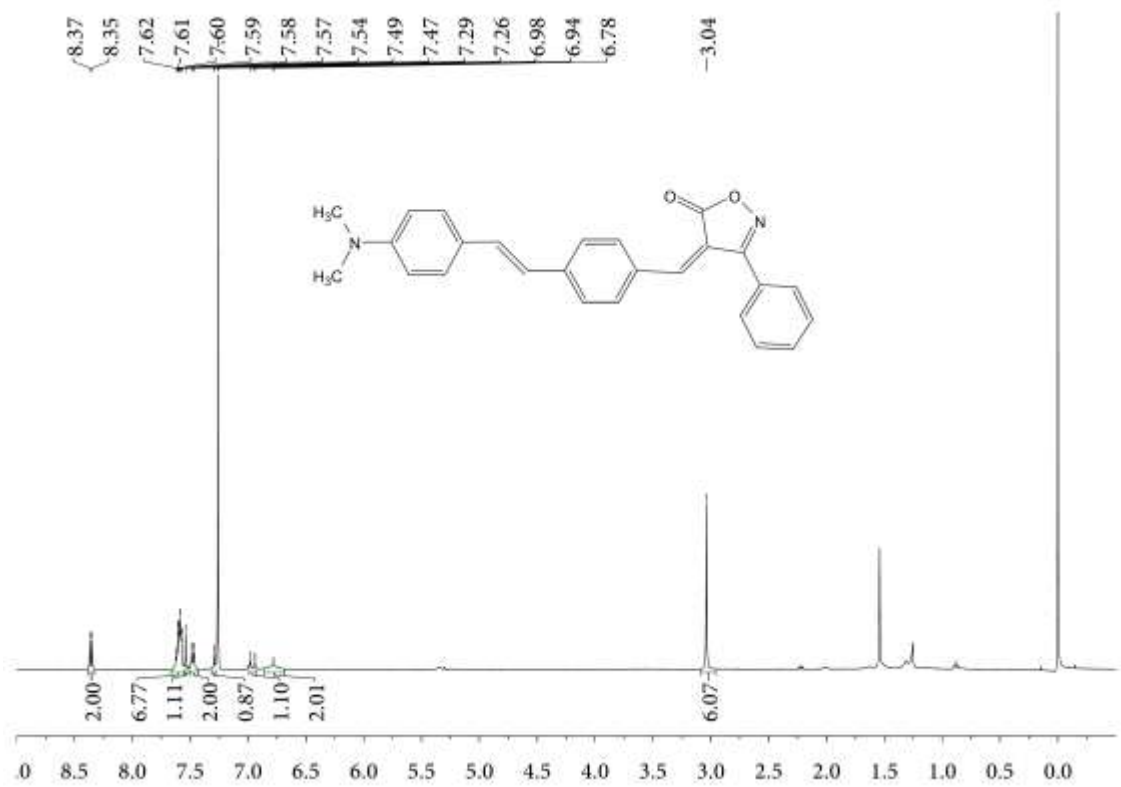
Scheme S1: Synthetic Route of the donor-acceptor compounds

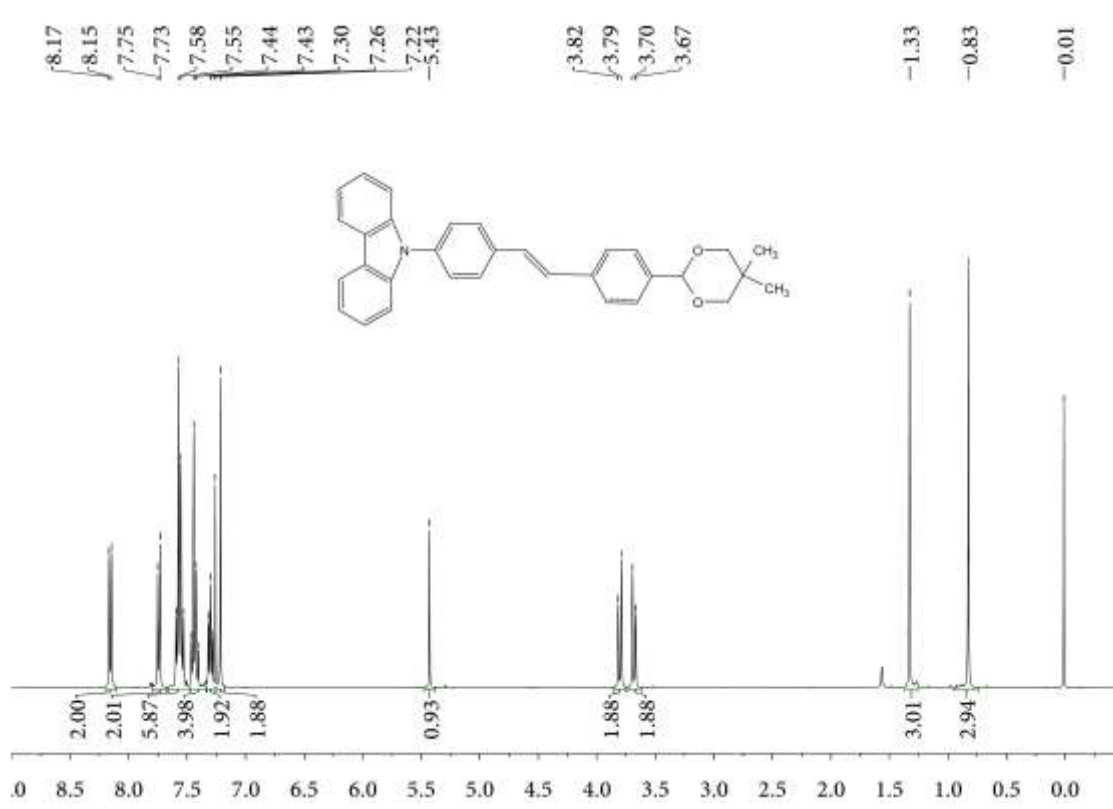
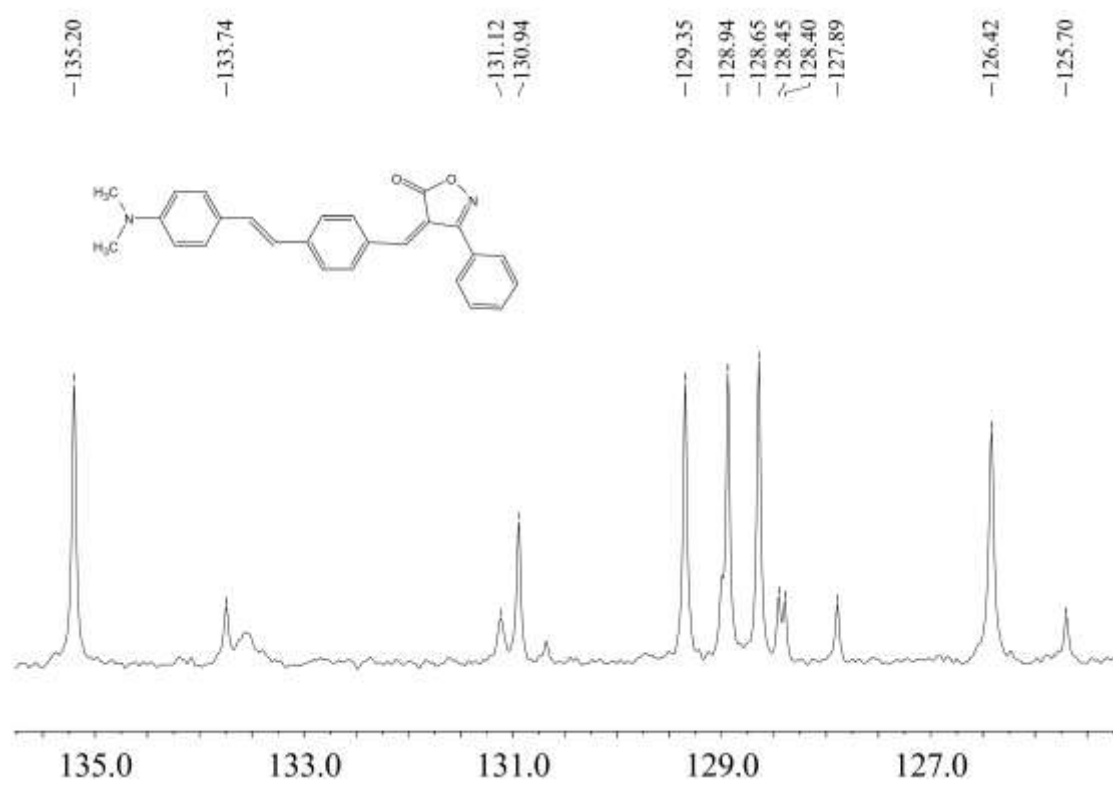


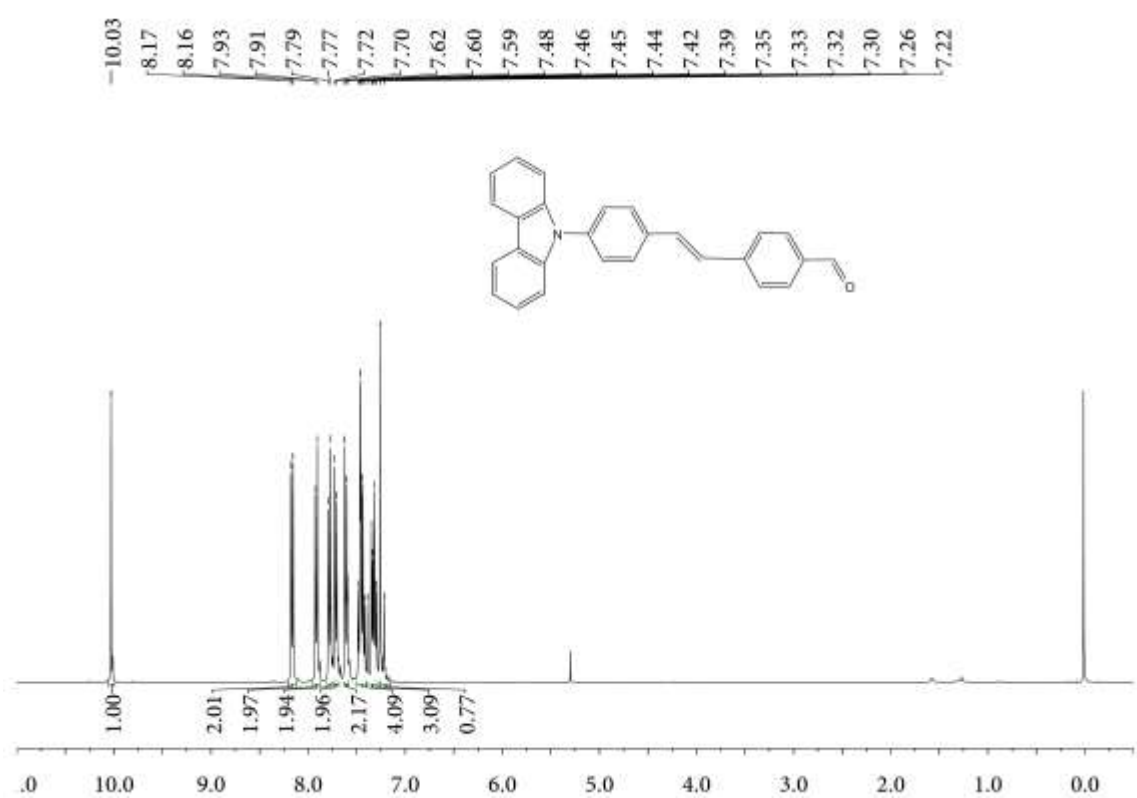
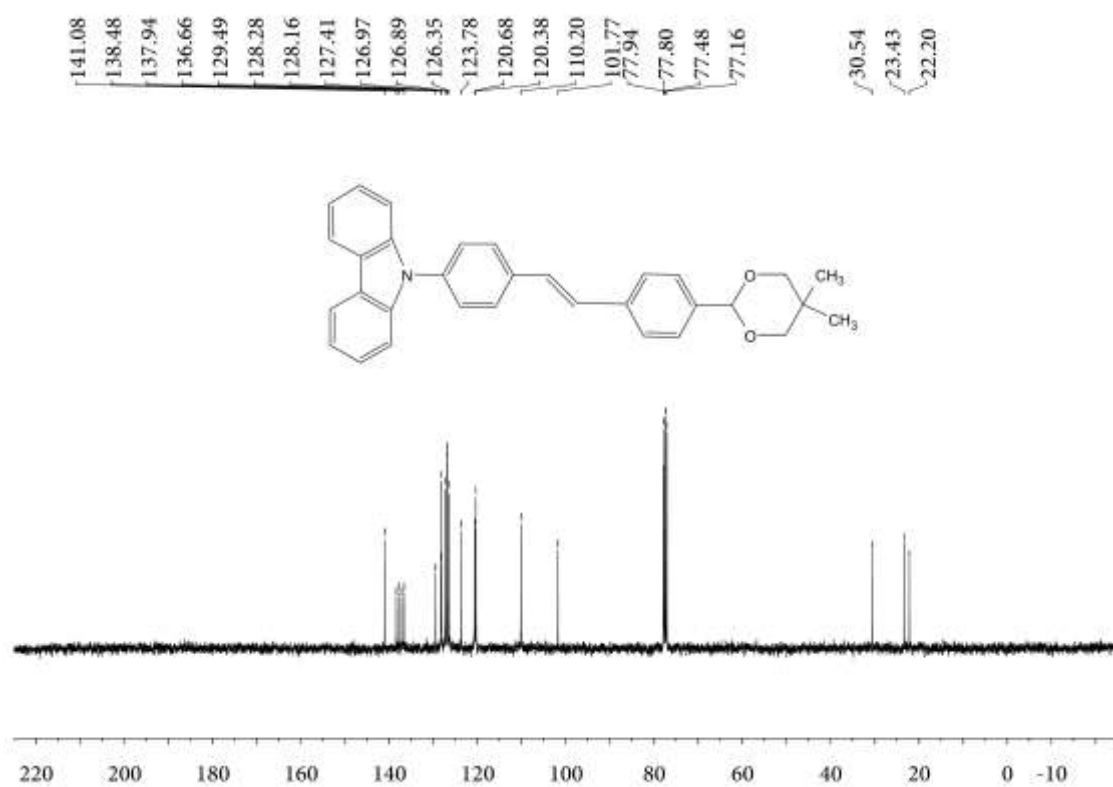


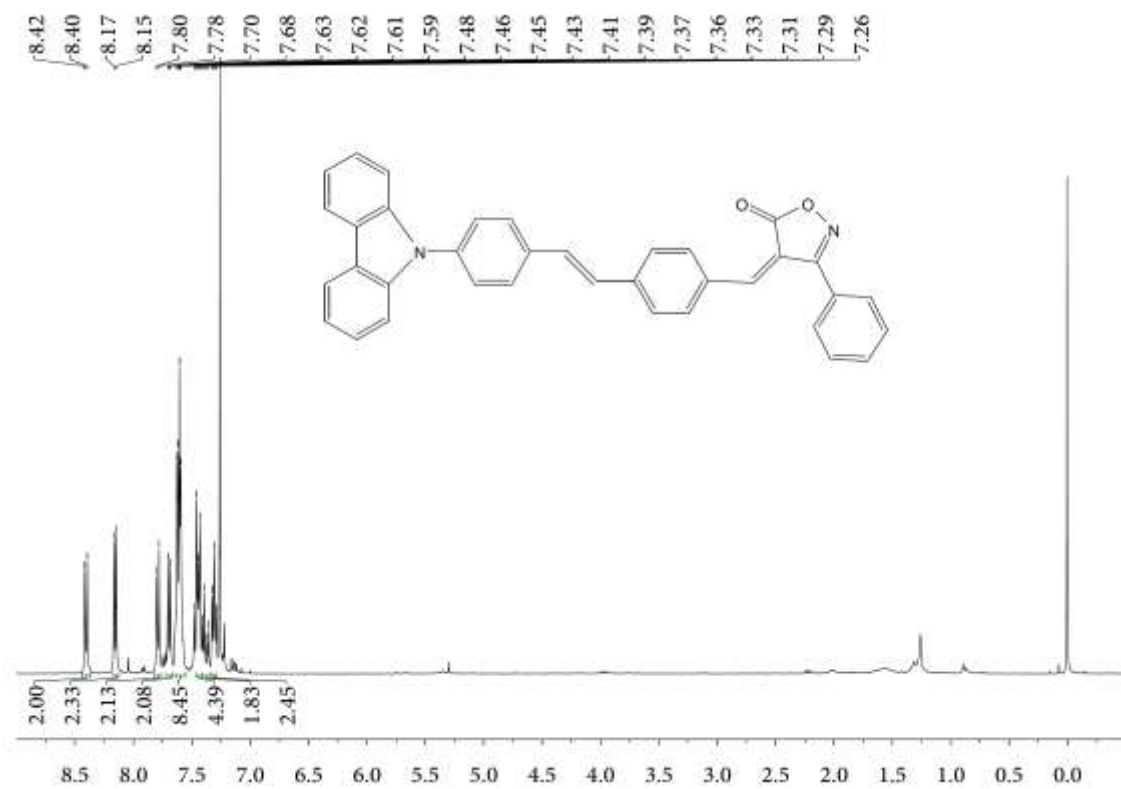
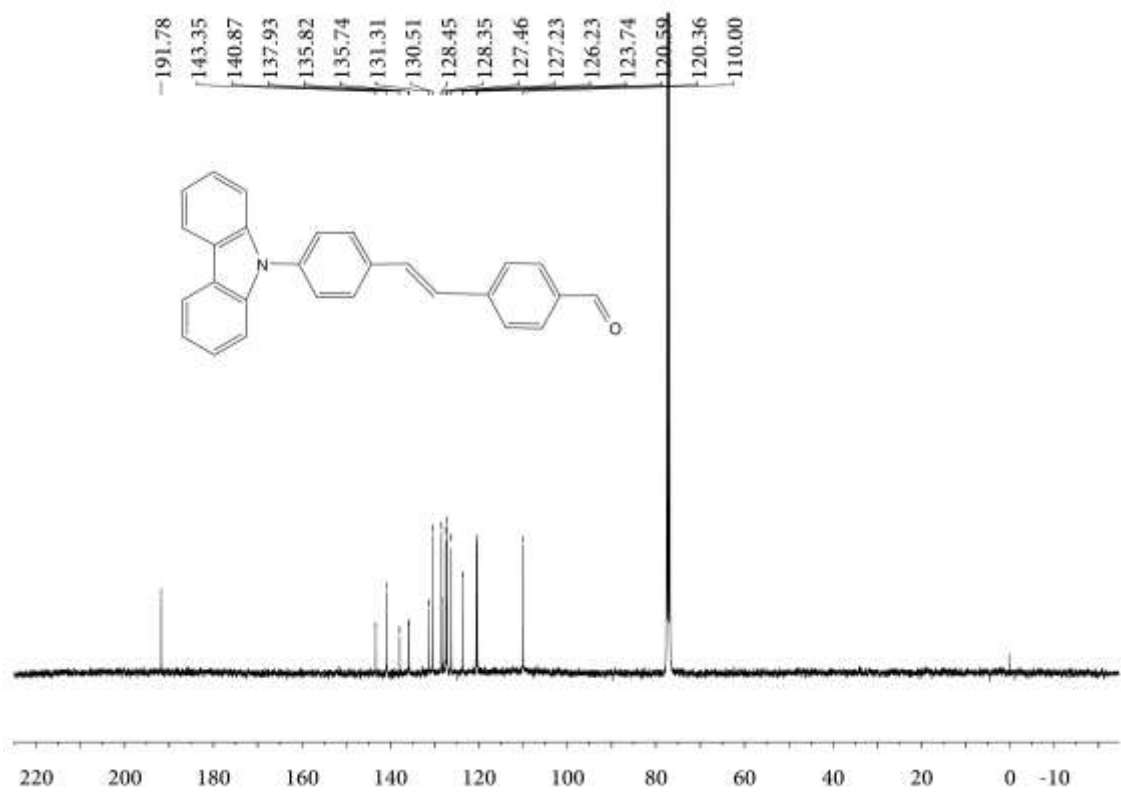












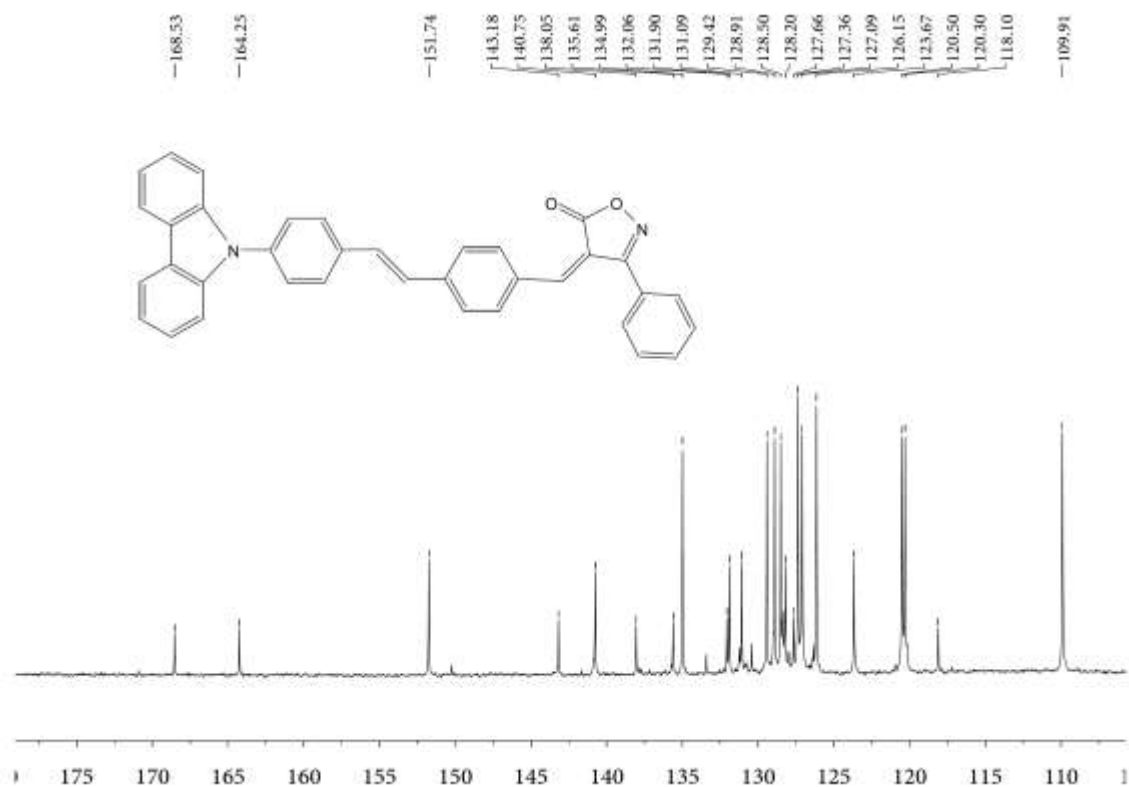
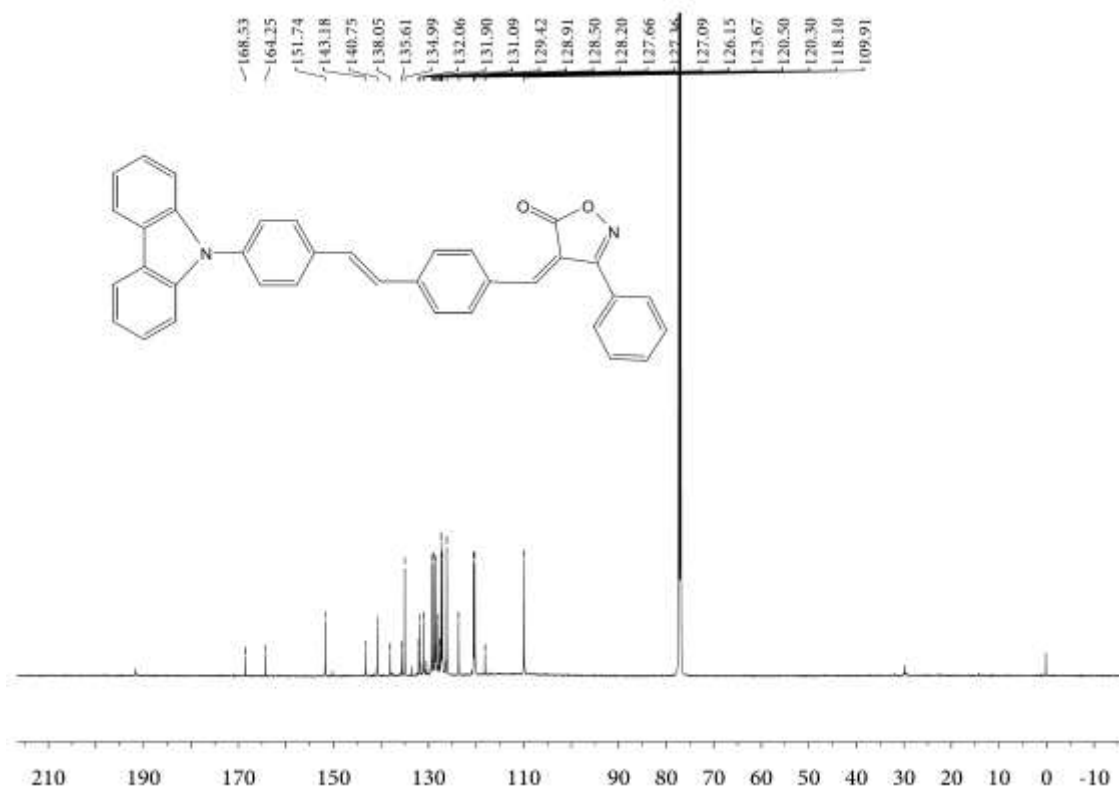


Table S1. Crystallographic data for **DLS**, **DSS** and **CSS**

	DLS	DSS	CSS
empirical formula	C ₁₈ H ₁₆ N ₂ O ₂	C ₂₆ H ₂₂ N ₂ O ₂	C ₃₆ H ₂₄ N ₂ O ₂
fw	292.33	394.46	516.18
cryst syst	monoclinic	orthorhombic	monoclinic
cryst description/color	plate/orange	prism/dark red	rod/orange
space group	C c	P 2 ₁ 2 ₁ 2 ₁	P 2 ₁ /n
<i>a</i> (Å)	21.092(13)	5.844(4)	16.6077(15)
<i>b</i> (Å)	6.521(3)	7.720(5)	8.2169(8)
<i>c</i> (Å)	12.149(7)	44.76(3)	20.0522(2)
α (deg)	90	90.00	90.00
β (deg)	119.587(8)	90.00	109.011(11)
γ (deg)	90	90.00	90.00
vol (Å ³)	1453.2(14)	2019(2)	2587.15
F(000)	616.00	832.00	1080.00
ρ calcul (mg·m ⁻³)	1.336	1.297	1.326
θ range (°)	3.32 to 27.50	2.97 to 26.37	3.38 to 65.07
temp (K)	173(2)	173(2)	173(2)
<i>Z</i>	4	4	4
R ₁ , wR ₂ (all data)	0.0556, 0.1356	0.0942, 0.1635	0.0718, 0.1649
GOF	0.996	0.993	0.996

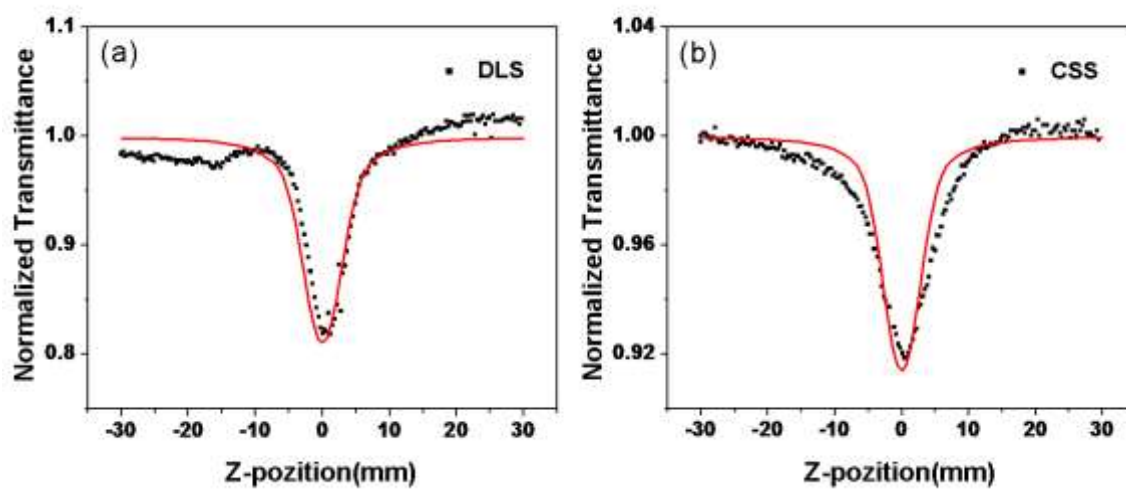


Fig. S1 Normalized open-aperture Z-scan curves of **DLS** (a) and **CSS** (b). The solid lines are the fitting curves.

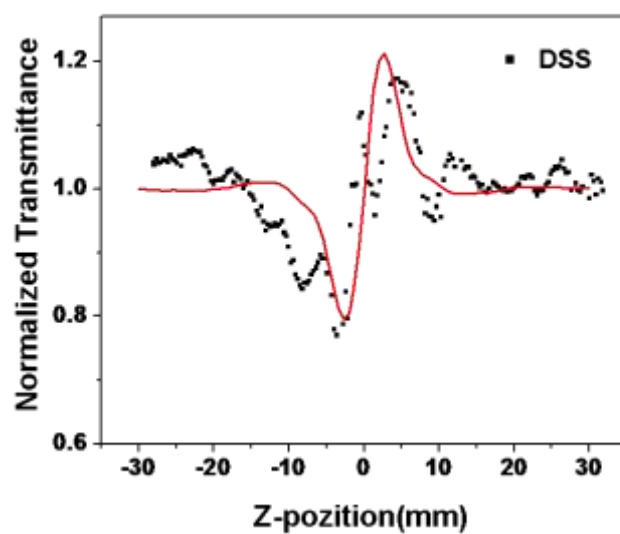


Fig. S2 Normalized closed-aperture Z-scan curves of **DSS** .The solid lines are the fitting curves.

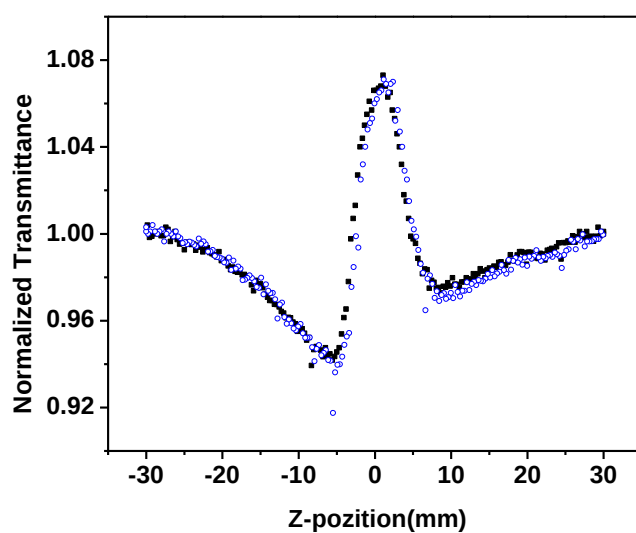


Fig. S3 Normalized open-aperture Z-scan curve of **DSS**.