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Supplementary Information

Enantioselective Recognition of Chiral Carboxylic Acids by a β-Amino Acid and 1,10-Phenanthroline Based Chiral Fluorescent Sensor. *Sensors* 2015, *15*, 10723-10733

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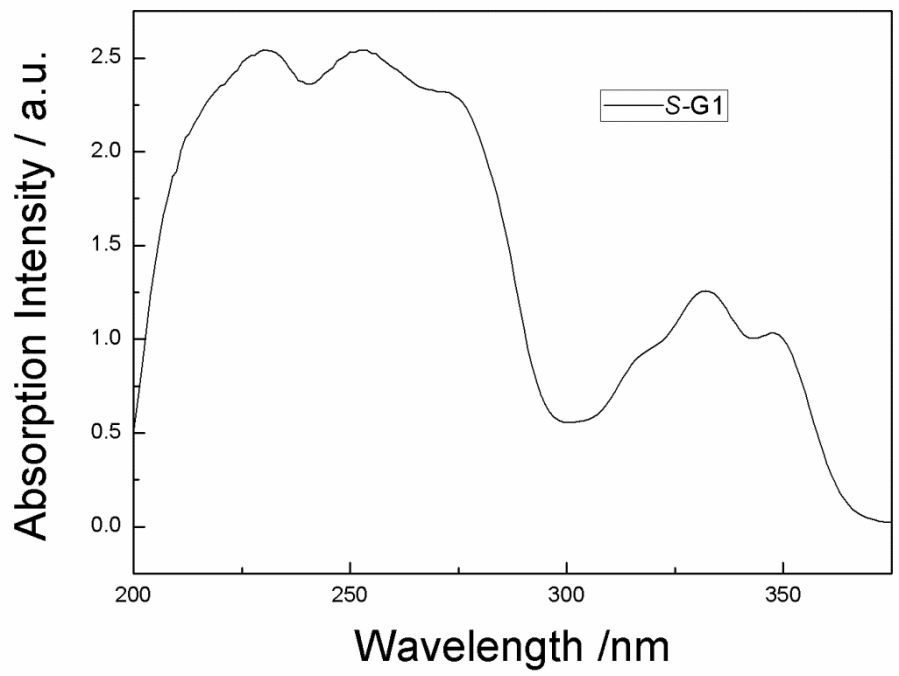


Figure S1. UV-Vis spectra of ***S*-G1** (8×10^{-5} mol/L) in a solution of EtOH.

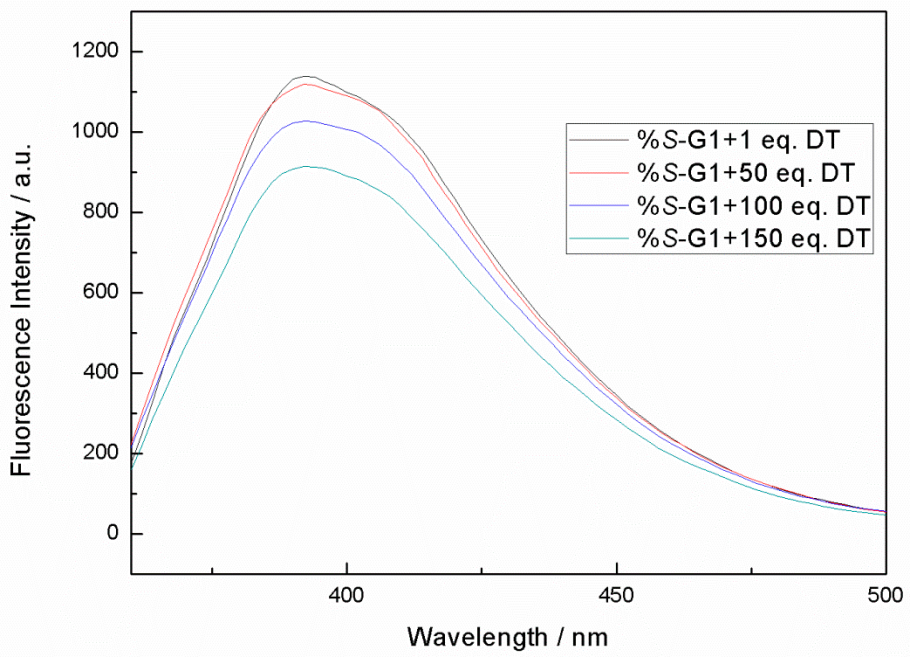


Figure S2. Fluorescence of ***S*-G1** (8×10^{-5} mol/L) in EtOH *versus* the concentration of D-tartaric acids (λ_{ex} = 330 nm).

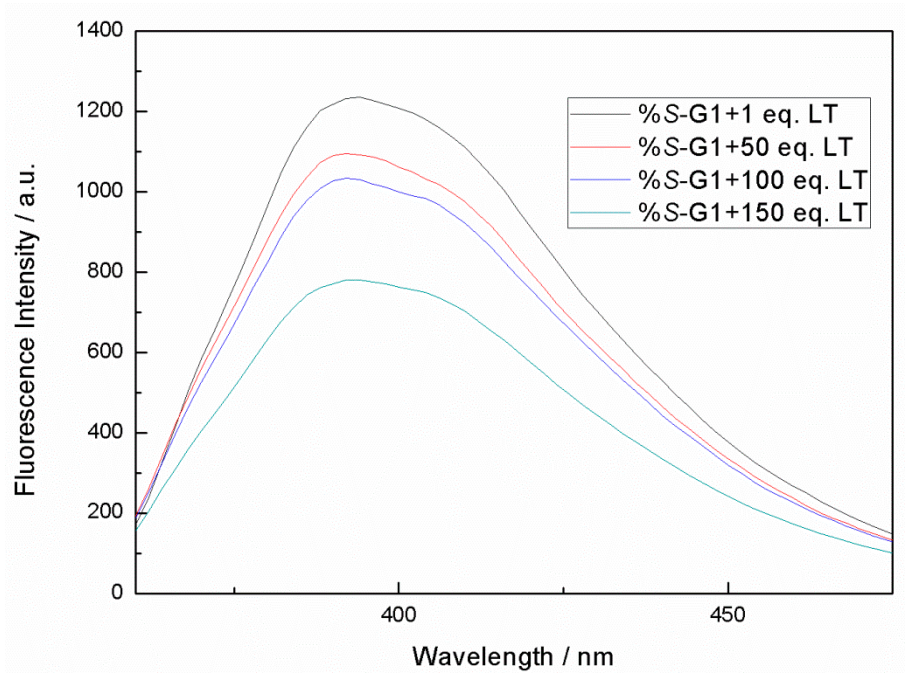


Figure S3. Fluorescence of ***S*-G1** (8×10^{-5} mol/L) in EtOH *versus* the concentration of L-tartaric acids (λ_{ex} = 330 nm).

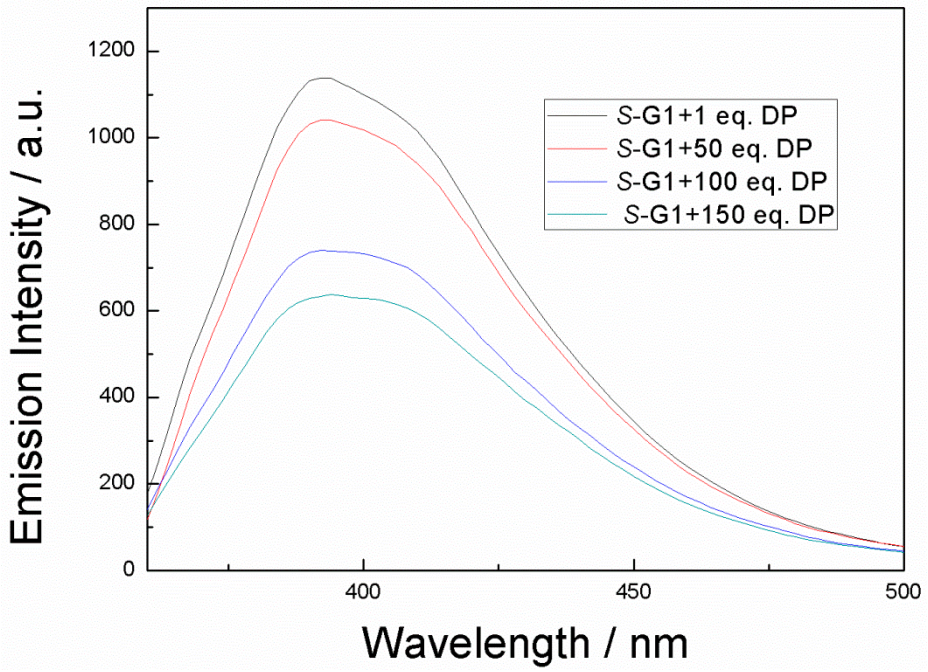


Figure S4. Fluorescence of ***S*-G1** (8×10^{-5} mol/L) in EtOH *versus* the concentration of D-proline (λ_{ex}= 330 nm).

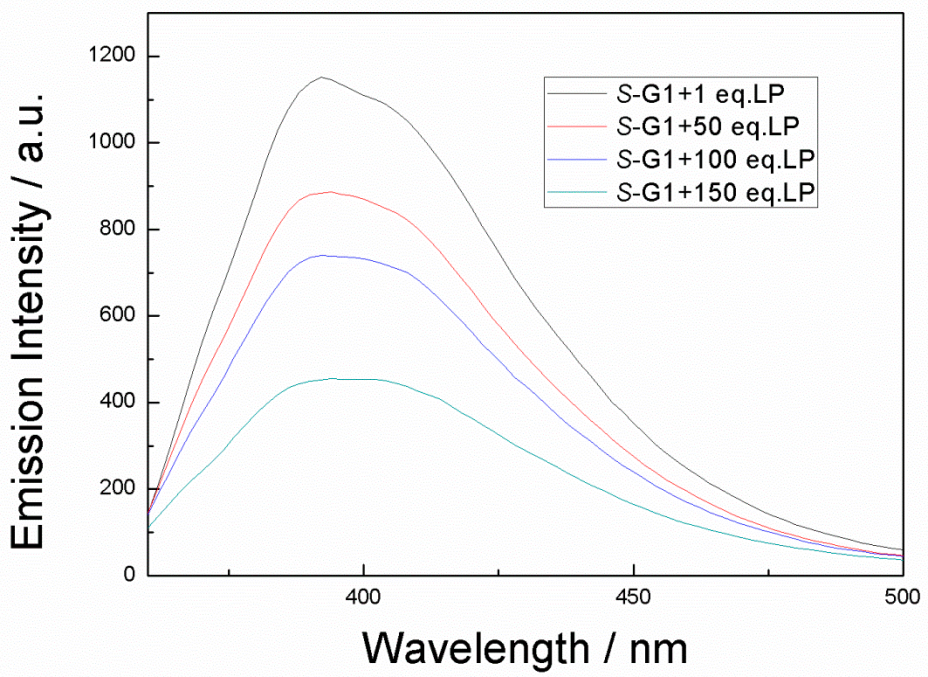


Figure S5. Fluorescence of ***S*-G1** (8×10^{-5} mol/L) in EtOH *versus* the concentration of L-proline (λ_{ex}= 330 nm).

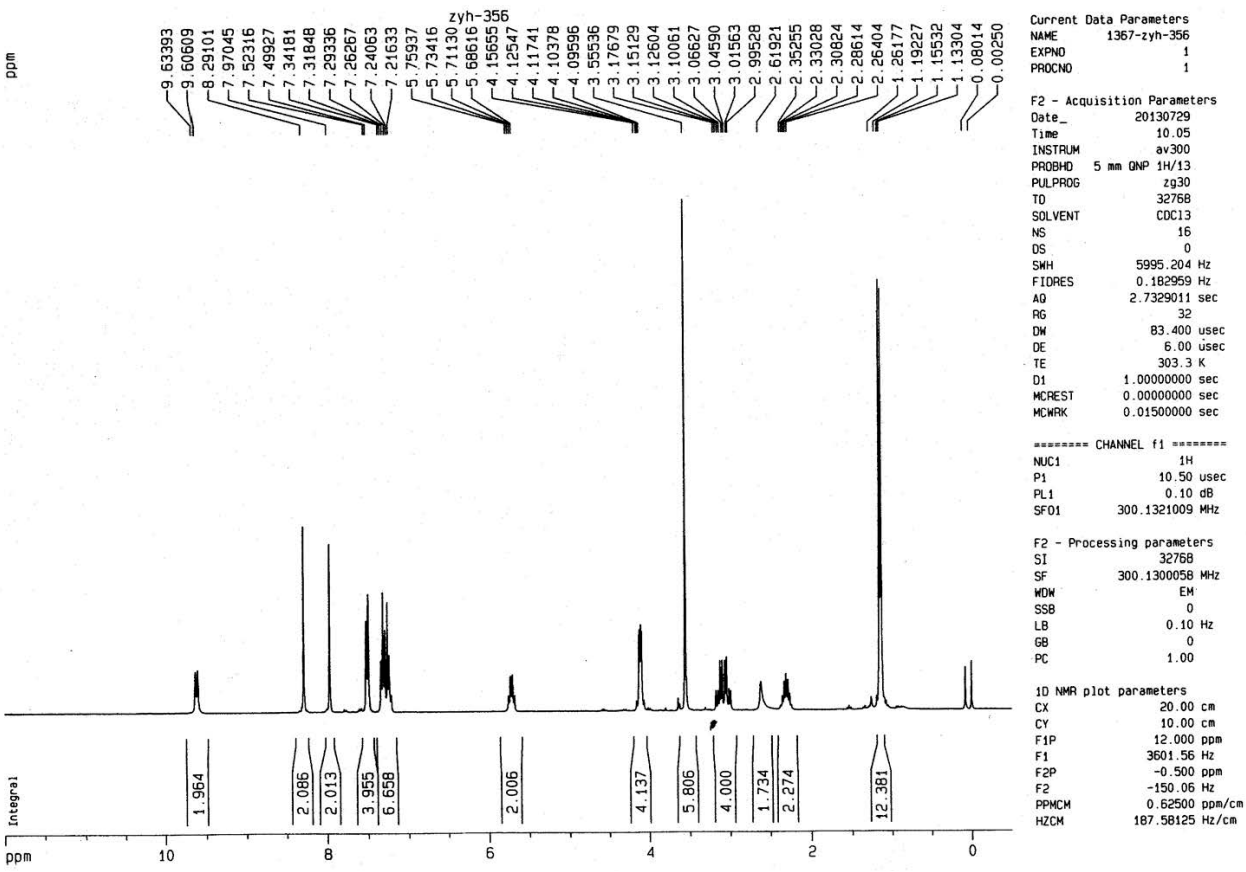


Figure S6. ^{1}H NMR of ***S*-G1** in $CDCl_3$.

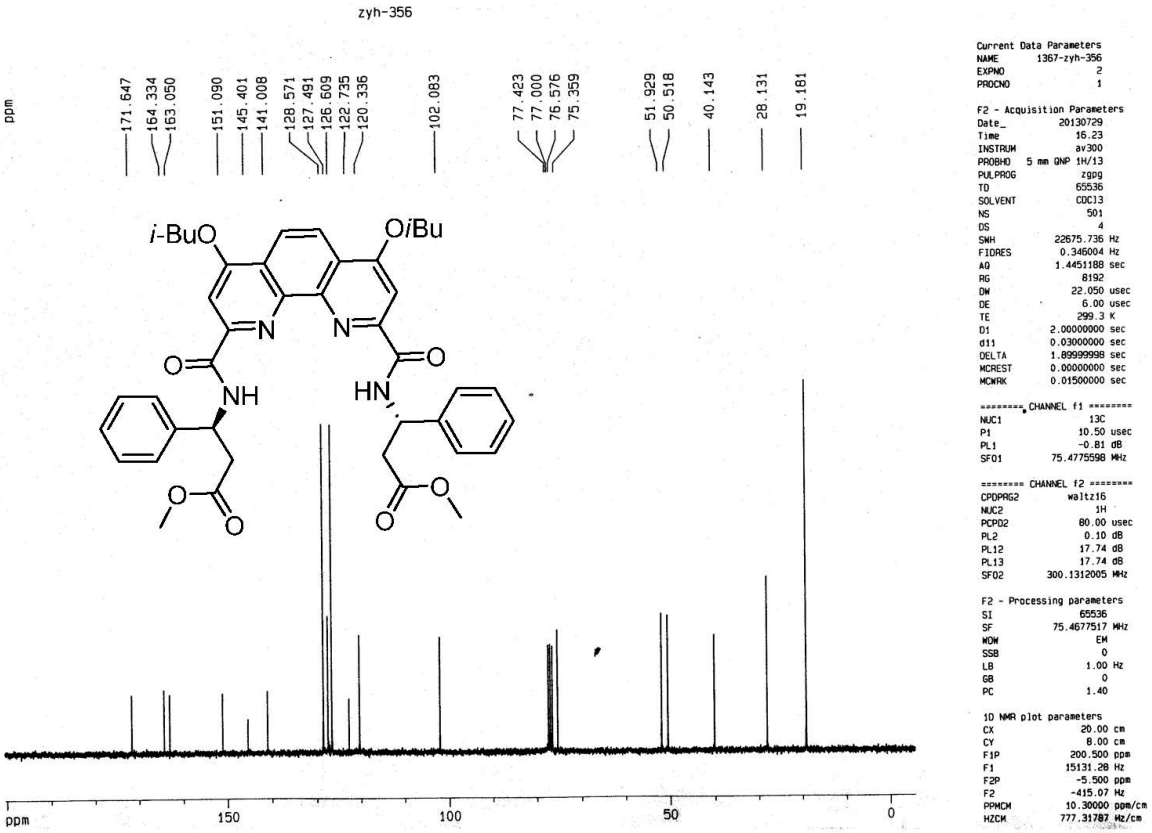
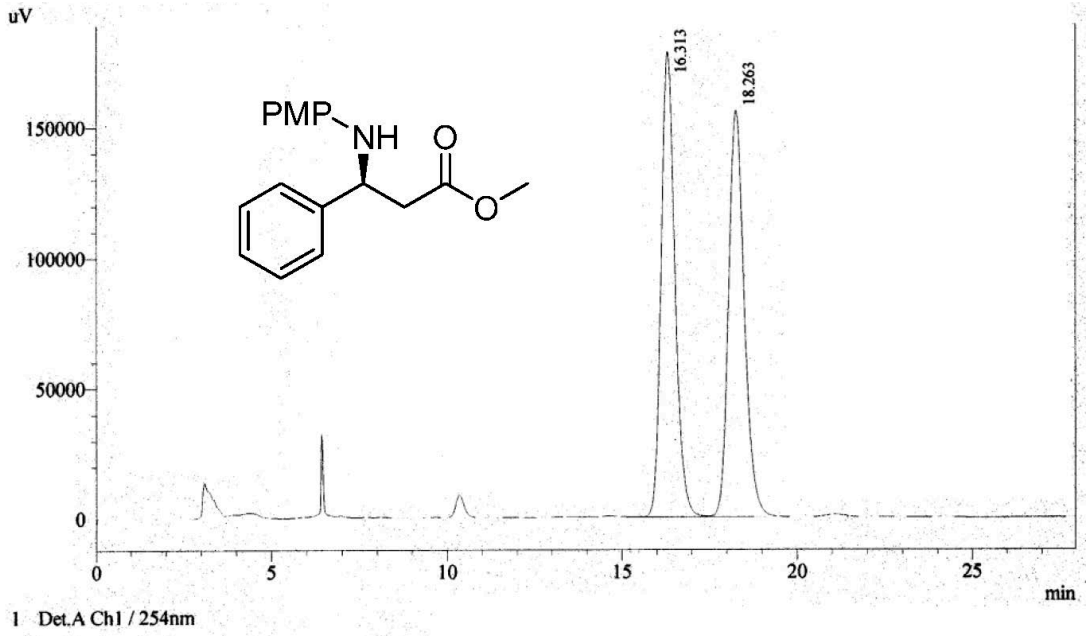


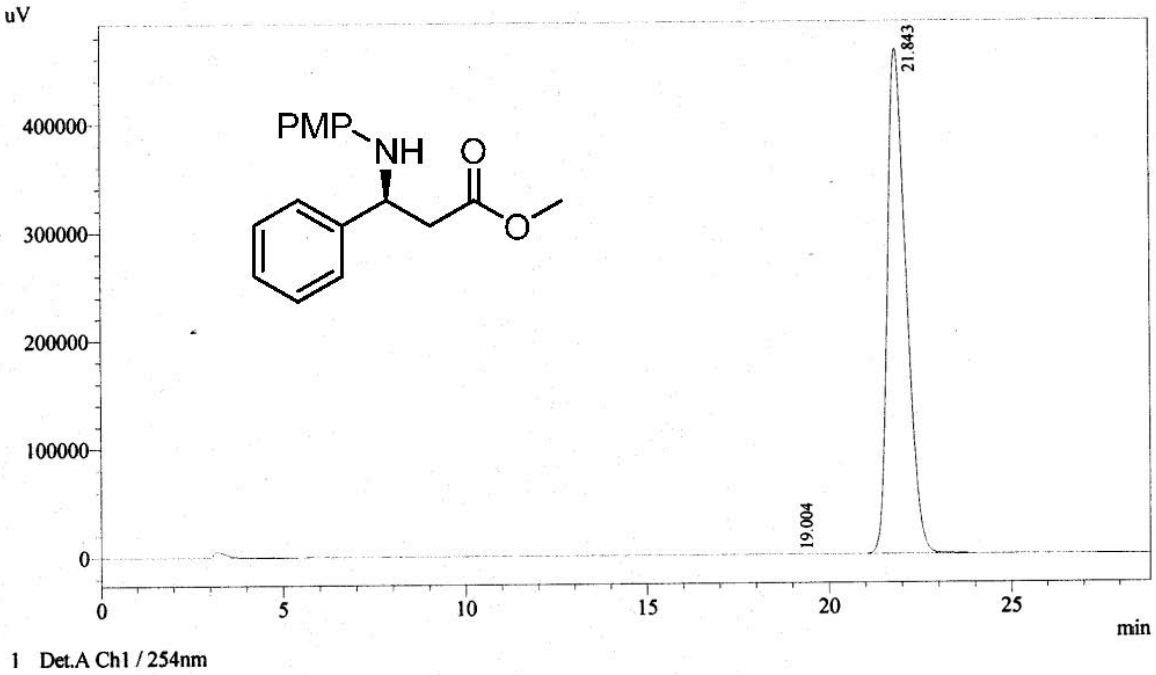
Figure S7. ^{13}C NMR of ***S*-G1** in $CDCl_3$.



Detector A Ch1 254nm

Peak#	Ret. Time	Area	Height	Area %	Height %
1	16.313	4907847	178797	50.114	53.397
2	18.263	4885446	156046	49.886	46.603
Total		9793293	334843	100.000	100.000

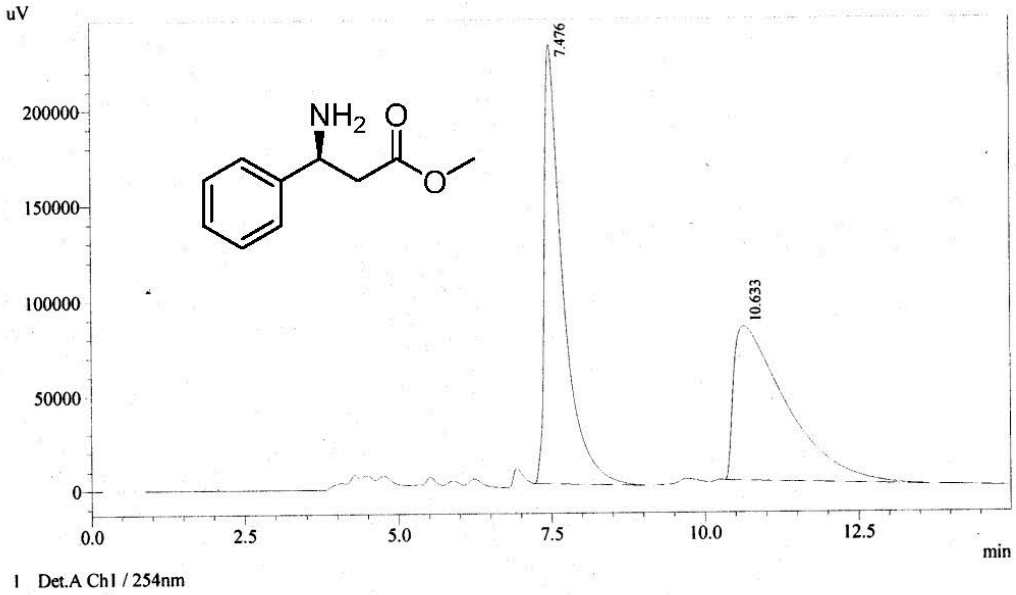
Figure S8. HPLC of racemic **1c**.



Detector A Ch1 254nm

Peak#	Ret. Time	Area	Height	Area %	Height %
1	19.004	3793	149	0.023	0.032
2	21.843	16654636	466195	99.977	99.968
Total		16658429	466344	100.000	100.000

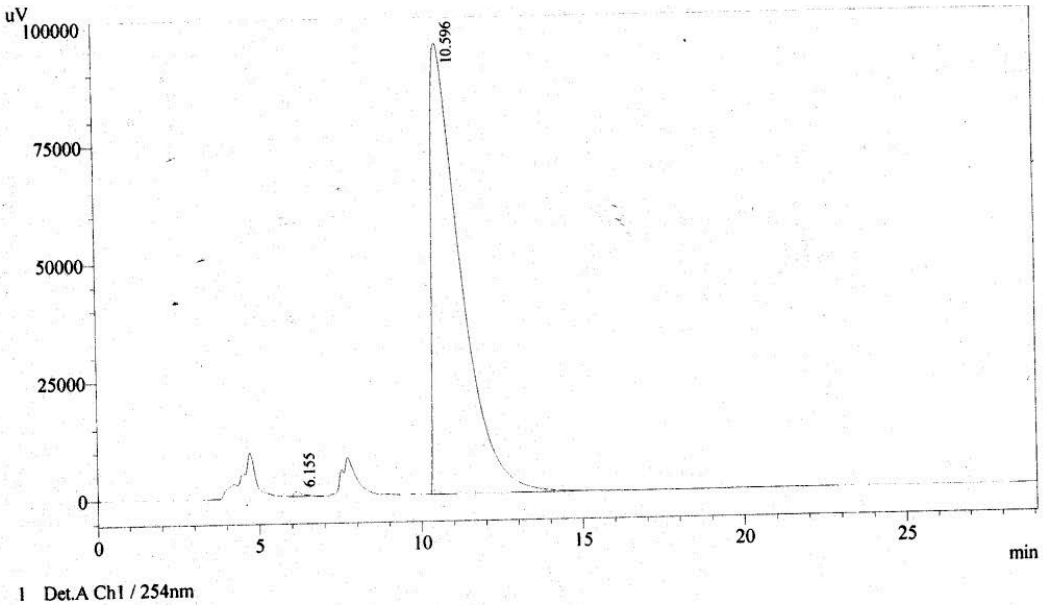
Figure S9. HPLC of chiral **1c**.



Detector A Ch1 254nm

Peak#	Ret. Time	Area	Height	Area %	Height %
1	7.476	4873998	231628	50.062	74.017
2	10.633	4861972	81312	49.938	25.983
Total		9735969	312939	100.000	100.000

Figure S10. HPLC of racemic ***S*-10**.



Detector A Ch1 254nm

Peak#	Ret. Time	Area	Height	Area %	Height %
1	6.155	19273	1097	0.325	1.134
2	10.596	5911688	95651	99.675	98.866
Total		5930962	96748	100.000	100.000

Figure S11. HPLC of chiral ***S*-10**.