Supplementary material

Fig. S1. (a) IR, (b) ^{1}H-NMR, and (c) ^{13}C-NMR spectra of YM-1.
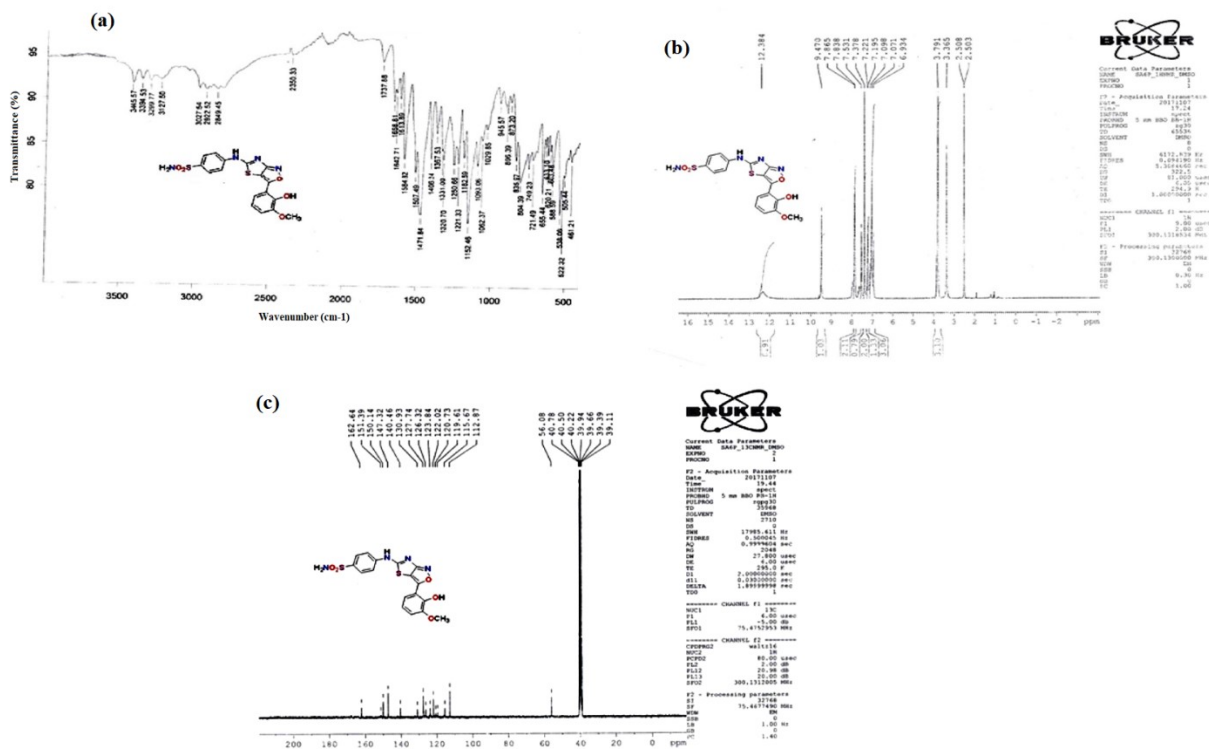
Fig. S2. (a) IR, (b) ¹H-NMR, and (c) ¹³C-NMR spectra of YM-2.
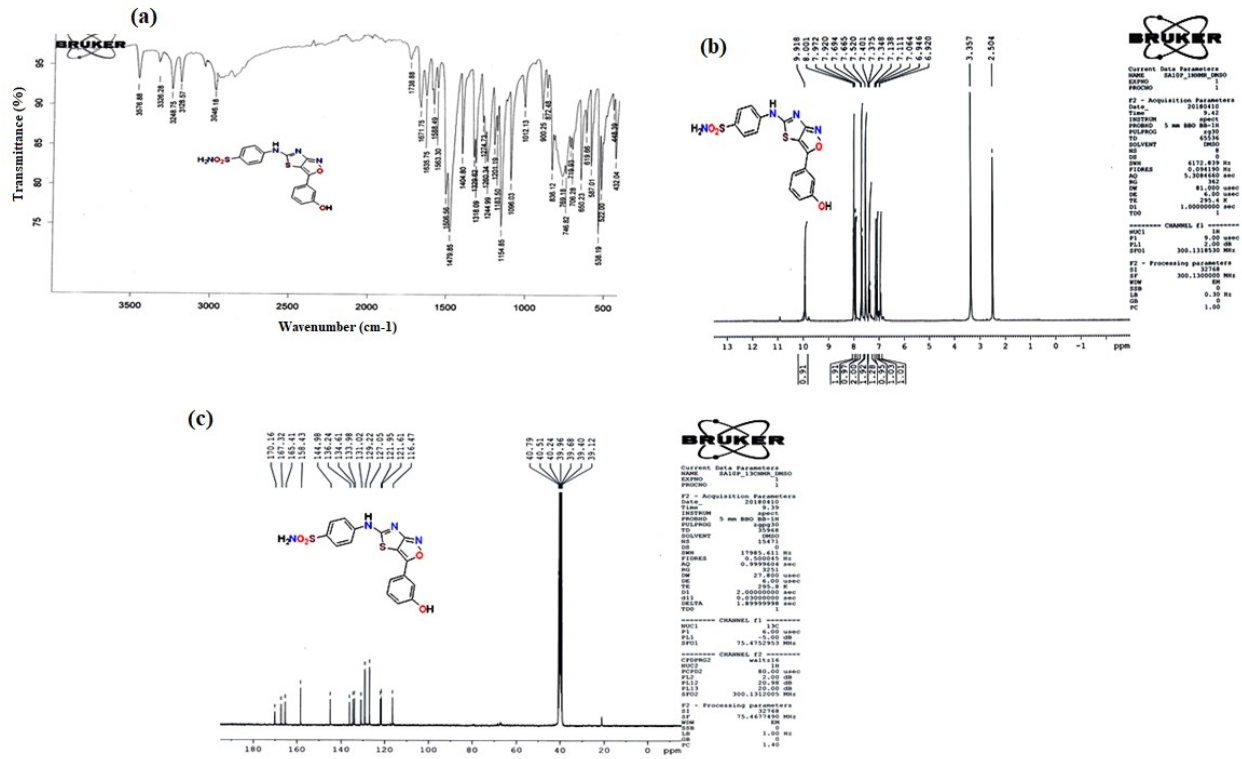
Fig. S3. (a) IR, (b) ^{1}H-NMR, and (c) ^{13}C-NMR spectra of YM-3.
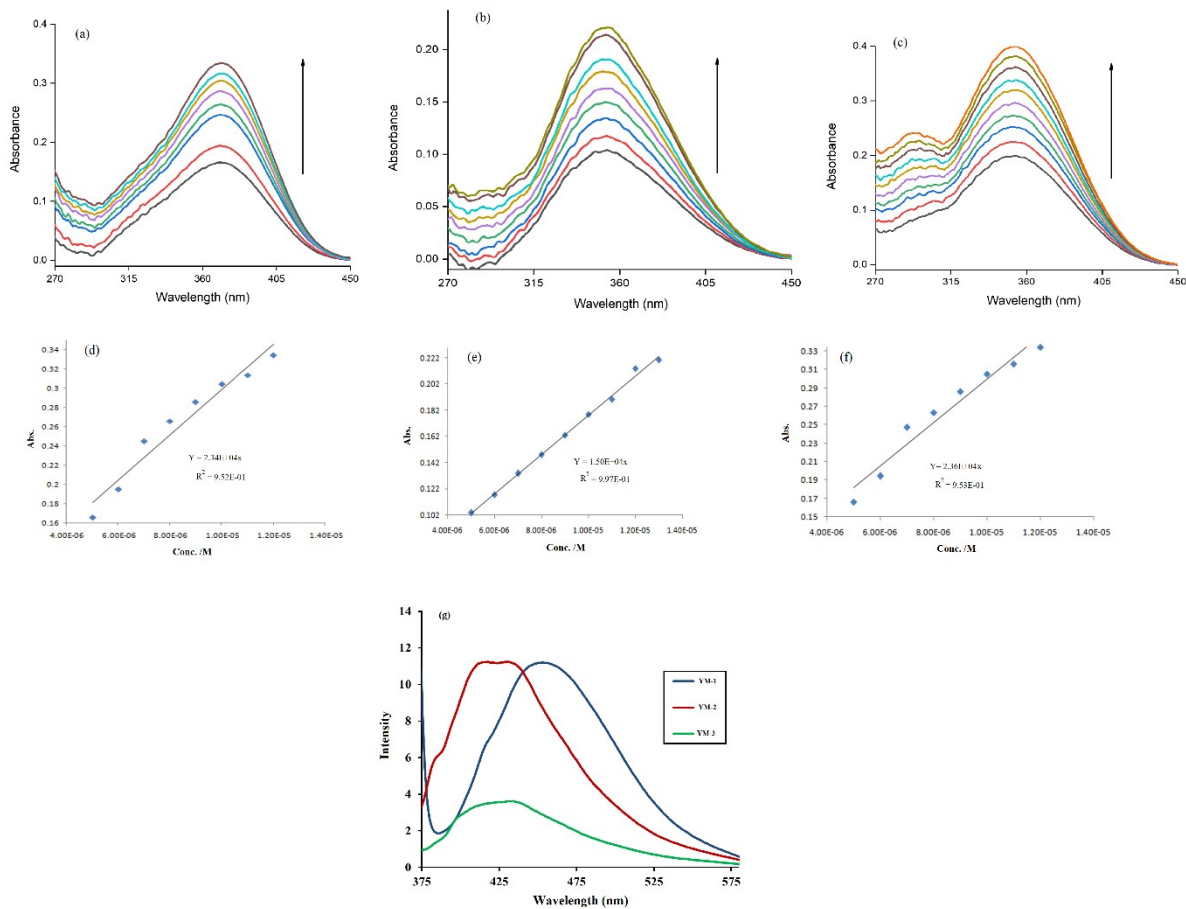
Fig. S4. (a-c) Concentration profiles: (a) YM-1, (b) YM-2, and (c) YM-3. (d-f) Concentrations of YM-1, YM-2, and YM-3 plotted against absorbance for calculation of molar extinction coefficient. (g) Overlay of Fluo-emission spectrum of sufanilamide derivatives.
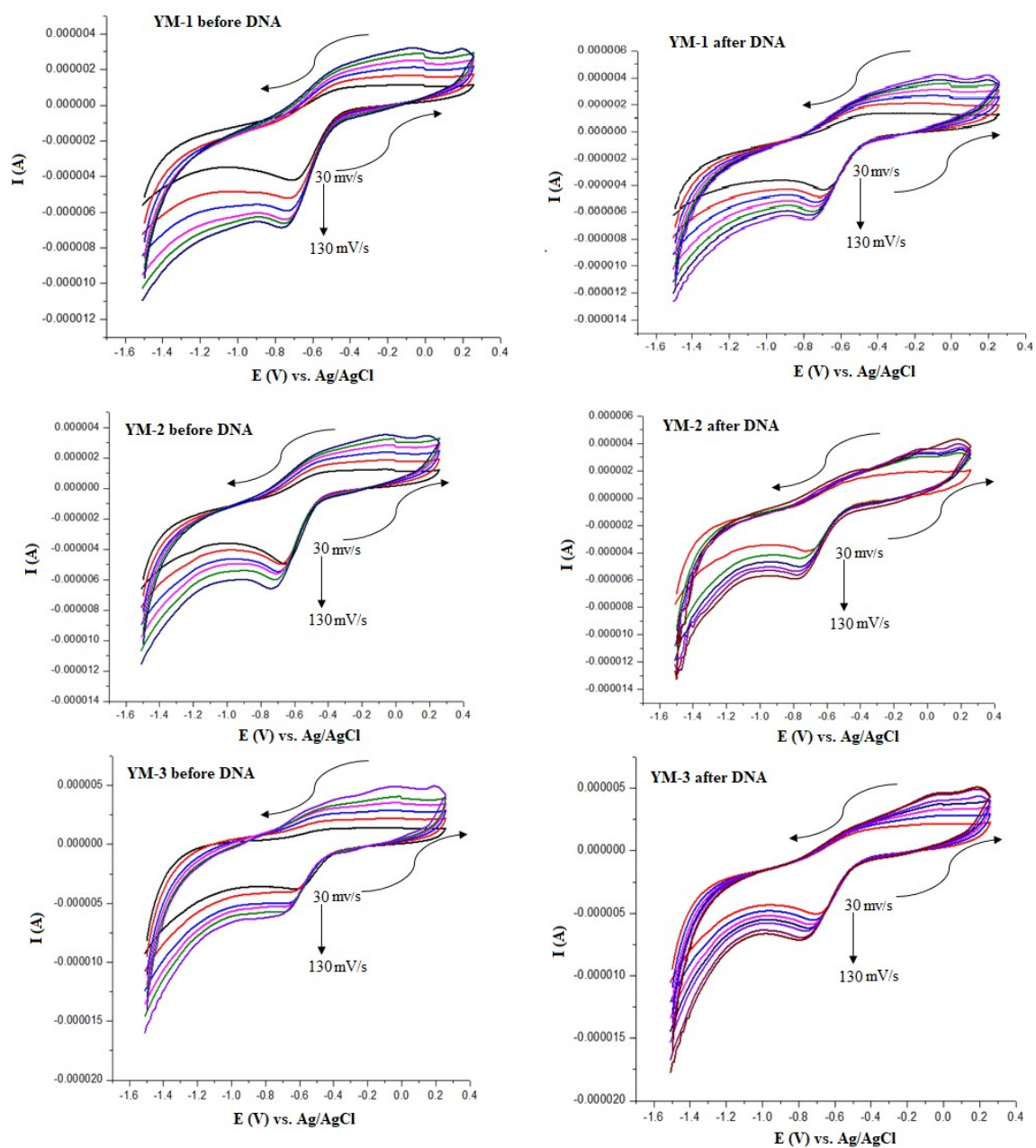
Fig. S5. Cyclic voltammogram YM-1, YM-2, and YM-3 without and in the presence of ds-DNA at various scan rates.

Conc uM	Thiourea			YM-1			YM-2			YM-3		
100	96.21	97.04	95.38	52.9	54.92	50.01	55.75	58.42	59.61	48.3	49.97	49.23
75	90.62	89.28	90.31	38.48	38.64	36.82	43.74	45.39	45.39	37.19	38.02	36.36
50	85.55	88.51	86.29	35.12	34.03	34.89	36.08	38.51	39.32	31.46	30.36	31.23
25	82.16	81.33	81.33	15.34	16.99	16.16	26.38	29.69	31.34	14.05	14.88	16.53
12.5	60.67	59.85	59.02	4.85	6.5	6.5	7.63	9.28	10.11	3.56	5.22	2.74
LogIC50	0.9067	0.9354	0.9366	1.976	1.967	2.015	1.931	1.891	1.878	2.023	2.012	2.023
		Avg	0.926233		Avg	1.986		Avg	1.9		Avg	2.019333

Fig. S6. Urease inhibition data for the evaluation of IC_{50} values.

YM1		
[Compund]	Cancereous MG-U87	Normal HEK-293
40µM	84.629781	65.97977
80µM	87.691258	70.25695
120µM	90.38390667	50.28022
200µM	90.53894667	68.34092
400µM	95.40420667	91.11583
IC50	**1.154**	**15.29**
SD	0.317	0.9259

YM2		
[Compund]	Cancereous MG-U87	Normal HEK-293
40µM	71.542864	70.368754
80µM	87.10594333	86.55539
120µM	87.64110333	86.783
200µM	87.24621333	87.04603
400µM	89.21004	88.87709
IC50	**7.024**	**7.938**
SD	0.374	0.3448

YM3		
[Compund]	Cancereous MG-U87	Normal HEK-293
40µM	69.82281333	70.23675
80µM	61.86046667	86.64138
120µM	67.52307	86.91958
200µM	72.46585333	87.44057
400µM	87.31635333	89.92413
IC50	**9.512**	**9.304**
SD	0.6682	0.2864

Fig. S7. Dose dependent % cytotoxicity data for the evaluation of IC_{50} values.