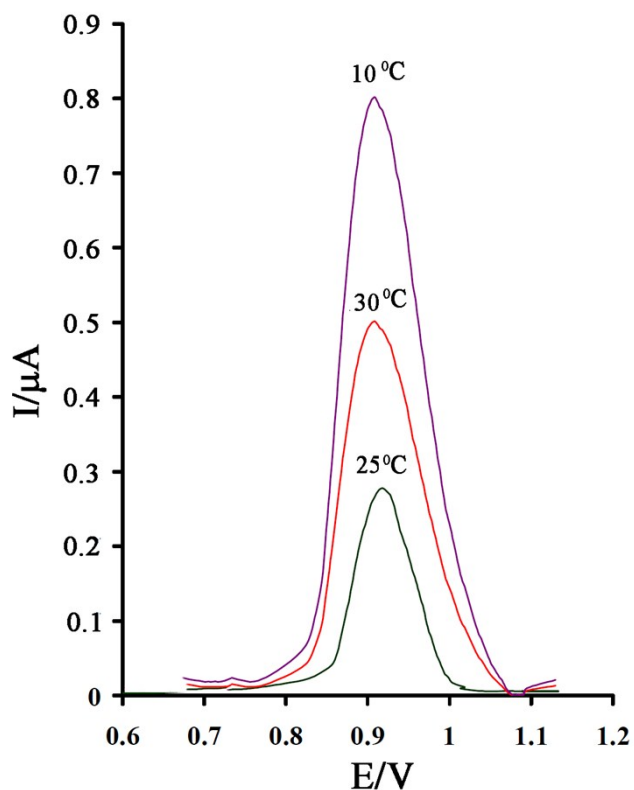
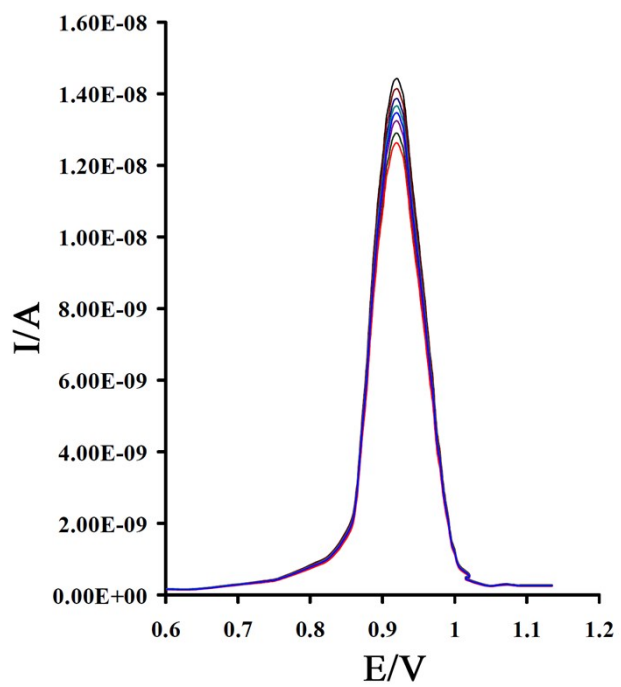


### *Supporting information data*



**Fig. S1:** Differential pulse voltammograms of GC/ds-DNA/rGO/Au-NPs in the presence of 3.75 μM dasatinib at different temperatures.



**Fig. S2.** A sample of differential pulse voltammograms of 0.03 dasatinib at a surface of sensor after some times recording in the same condition.

**Table S1;** The current of modified sensor before and after addition of interferences (relative to figure 7)

Condition	Current before addition of interference	Current after addition of interference	Error in current%
Dasatinib	0.95±0.02	0.95±0.02	---
Dasatinib+Ca <sup>2+</sup>	0.95±0.02	0.9634	1.41
Dasatinib+Na <sup>+</sup>	0.95±0.02	0.9589	0.93
Dasatinib+F <sup>-</sup>	0.95±0.02	0.9834	3.51
Dasatinib+ascorbic acid	0.95±0.02	0.9108	4.13
Dasatinib+glucose	0.95±0.02	0.9039	4.85
Dasatinib+phenylalanine	0.95±0.02	0.9311	1.99