

Supporting information

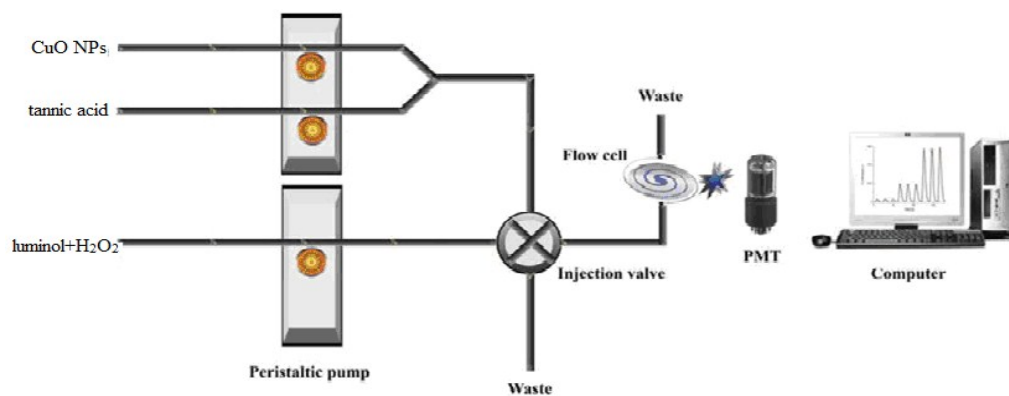


Fig. S1. Diagram of the flow-injection chemiluminescence detection system.

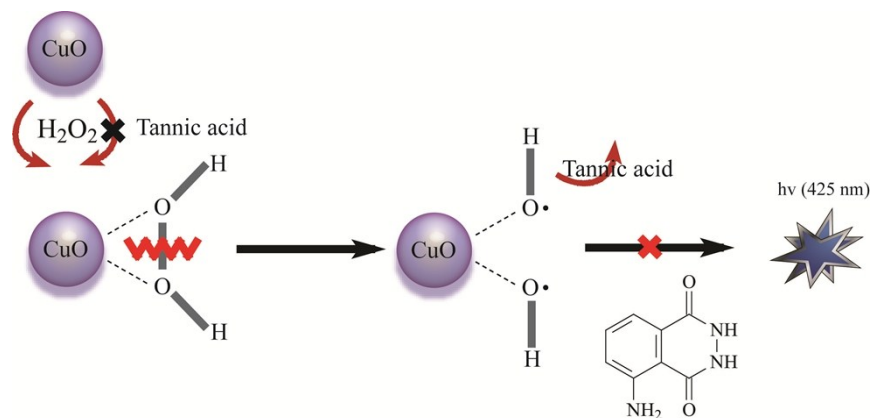


Fig. S2. Possible mechanism for the CL inhibition of luminol-H₂O₂-CuO NPs in the presence of tannic acid.

Table S1. Selectivity of the assay. The experiments were investigated by using a series of solutions containing 50 nM tannic acid plus various amounts of interfering compounds.

Interfering compound	Concentration (nM)	Net CL intensity	Interfering compound	Concentration (nM)	Net CL intensity
-	-	8875	ascorbic acid	500	9292
resorcinol	5000	9185	dopamine	500	9301
hydroquinone	5000	9256	glutamic acid	500	9078
4-aminophenol	5000	9106	arginine	500	8963
alanine	5000	8912	threonine	500	9105
glycine	5000	8974	histidine	500	9186
leucine	5000	8890	methionine	500	8972
isoleucine	5000	9203	praline	500	8968
serine	5000	8980	aspartic acid	500	8986
phenylalanine	5000	8859	catechol	250	9281
valine	5000	8966	pyrogallol	250	9309
tryptophan	5000	9211			