Synthesis of a thiol stabilized silver nanoparticle and its application towards nanomolar level colorimetric recognition of glutathione

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Fig. S1 UV-Visible spectra of MTT ligand (Red) and MTT-AgNPs (Blue)
Fig. S2 (a) UV-Visible spectra of MTT-AgNPs at different conc. of metal salt and (b) their corresponding images

Table S1

<table>
<thead>
<tr>
<th>Sample</th>
<th>Silver salt conc. (mM)</th>
<th>Abs. Value</th>
<th>AgNPs conc. (nM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>0.1</td>
<td>0.07</td>
<td>1.13</td>
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<tr>
<td>S2</td>
<td>0.5</td>
<td>0.2</td>
<td>3.22</td>
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<tr>
<td>S3</td>
<td>1.0</td>
<td>0.353</td>
<td>5.69</td>
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<tr>
<td>S4</td>
<td>1.5</td>
<td>0.79</td>
<td>12.74</td>
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<tr>
<td>S5</td>
<td>1.8</td>
<td>0.6</td>
<td>9.67</td>
</tr>
</tbody>
</table>
Fig. S3 (a) UV-Visible spectra of MTT-AgNPs at different pH and (b) their corresponding bar diagram representation.
Fig. S4 FE-SEM images of (a) MTT-AgNPs and (b) MTT-AgNPs in presence of glutathione
Fig. S5 DLS spectra of (a) MTT-AgNPs and (b) MTT-AgNPs in presence of glutathione
Fig. S6 Zeta potential spectra of (a) MTT-AgNPs and (b) MTT-AgNPs in presence of glutathione