Supporting Information for

"Surface-plasmon-induced azo coupling reaction between nitro compounds on dendritic silver monitored by surface-enhanced Raman spectroscopy"

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Figure S1. SERS spectra of Ag-Ds/GCE composite functionalized with DMAB. For the functionalization, a monolayer of 4-NTP was formed after immersion of a Ag-Ds/GCE into a solution of 1.0×10^{-3} M 4-NTP for 0.5 h (θ = 1.0). After continuous exposure to 633 nm laser for 60 s, the v(NO₂) peak of 4-NTP was barely visible. In sharp contrast, the peaks at 1389 and 1441 cm⁻¹, which are due to v(N=N), may be clearly seen in the spectra, suggesting that most of the 4-NTP molecules were converted to DMAB.



Figure S2. SERS spectra of 4-NTP and 4-NB-15-C on a Ag-Ds/GCE composite.