Novel insights into the effect of folate-albumin binding on the transport of ascorbic acid as an anticancer agent: Chemometric analysis based on combined spectroscopic and electrochemical studies

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Scheme 1 (A) Oxidation of ascorbic acid at GCE  (B) Oxidation of folic acid at GCE
Table S1. Amino acid residues involved in the interaction with the free binding energy for the best selected docking positions

<table>
<thead>
<tr>
<th>Complex</th>
<th>$\Delta G_{\text{binding}}$ (KJ mol$^{-1}$)</th>
<th>Amino acids in the vicinity of the ligands</th>
</tr>
</thead>
</table>
Figure captions

Fig. S1 Relationship between $\log[\Delta I/(\Delta I_{\text{max}}-\Delta I)]$ and $\log[\text{AA}]$.

Fig. S2 Relationship between $\log[\Delta I/(\Delta I_{\text{max}}-\Delta I)]$ and $\log[\text{FA}]$. 
Fig. S1

A  \( y = 2.1751x + 5.8531 \)
\( R^2 = 0.9615 \)

B  \( y = 1.7093x + 4.3198 \)
\( R^2 = 0.9949 \)

C  \( y = 3.7089x + 9.6248 \)
\( R^2 = 0.9967 \)
Fig. S2

A

\[ y = 2.4146x + 6.3169 \]

\[ R^2 = 0.9692 \]

B

\[ y = 2.136x + 5.1855 \]

\[ R^2 = 0.9937 \]

C

\[ y = 4.5518x + 11.509 \]

\[ R^2 = 0.9945 \]