

Supplementary information

Table S1. Summary of the EE and LC based on the indirect and direct methods of extracting CUR-2GE from the CUR-2GE-Ch-IONPs.

| Parameter | Indirect method | Direct method | <i>p-value</i> |
|-----------|-----------------|-----------------|----------------|
| EE | 95.5 ± 0.9 | 96.1 ± 2.2 | 0.68 |
| LC | 1.64 ± 0.02 | 1.60 ± 0.04 | 0.10 |