**Supplementary Material Data**



**Figure S1: Effects of increasing concentrations of the N8 endophytic extract on the viability of HeLa cells**.Cell viability after 24 h exposure to the extract was analysed using the MTT assay. Results represent the average of twoindependent experiments performed in triplicate. A two-tailed, unpaired t-test was used to analysesignificance. \*p<0.05, \*\* p<0.001, \*\*\*p<0.0001, significant difference compared to untreated sample.



**Figure S2: Effects of increasing concentrations of N97 endophytic extract on the viability of HeLa cells**. Cell viability after 24 h exposure to the extract was analysed using the MTT assay. Results represent the average of twoindependent experiments performed in triplicate. A two-tailed, unpaired t-test was used to analysesignificance. \*p<0.05, \*\* p<0.001, \*\*\*p<0.0001, significant difference compared to untreated sample.



**Figure S3: Effects of increasing concentrations of the N223 endophytic extract on the viability of HeLa cells**. Cell viability after 24 h exposure to the extract was analysed using the MTT assay. Results represent the average of twoindependent experiments performed in triplicate. A two-tailed, unpaired t-test was used to analysesignificance. \*p<0.05, \*\* p<0.001, \*\*\*p<0.0001, significant difference compared to untreated sample.



**Figure S4: Effects of increasing concentrations of N169 endophytic extract on the viability of HeLa cells**. Cell viability after 24 h exposure to the extract was analysed using the MTT assay. Results represent the average of twoindependent experiments performed in triplicate. A two-tailed, unpaired t-test was used to analysesignificance. \*p<0.05, \*\* p<0.001, \*\*\*p<0.0001, significant difference compared to untreated sample.



**Figure S5: Effects of increasing concentrations of N2 endophytic extract on the viability of HeLa cells**. Cell viability after 24 h exposure to the extract was analysed using the MTT assay. Results represent the average of twoindependent experiments performed in triplicate. A two-tailed, unpaired t-test was used to analysesignificance. \*p<0.05, \*\* p<0.001, \*\*\*p<0.0001, significant difference compared to untreated sample.



**Figure S6: Effects of increasing concentrations of N7 endophytic extract on the viability of HeLa cells**. Cell viability after 24 h exposure to the extract was analysed using the MTT assay. Results represent the average of twoindependent experiments performed in triplicate. A two-tailed, unpaired t-test was used to analysesignificance. \*p<0.05, \*\* p<0.001, \*\*\*p<0.0001, significant difference compared to untreated sample.

**Table S1: Annexin V/PI results of N-97 with HeLa cells**.

|  |  |  |  |
| --- | --- | --- | --- |
| **Different stages** | **Unstained** | **Control** | **Dose (****µg/ml)** |
| **50** | **80** |
| LL or Annexin V-/PI- | 98.4 ± 0.5c | 93.6 ± 0.3c | 37 ± 0.05a | 45 ± 0.1b |
| LR or Annexin V+/PI- | 0.1 ± 0.2a | 4.6 ± 0.2b | 34.7 ± 0.1c | 33.9 ± 0.4c |
| UL or Annexin V-/PI+ | 1.3 ± 0.5b | 0.1 ± 0.02a | 0.9 ± 0.1a | 1.9 ± 0.5b |
| UR or Annexin V+/PI+ | 0.3 ± 0.4a | 2.1 ± 0.1b | 27.4 ± 0.3d | 19.2 ± 0.01c |
| **Legend**: (Annexin V-/PI+, left upper quadrant): necrotic cells; (Annexin V+/PI-, right lower quadrant): early apoptotic cells; (Annexin V+/PI+, right upper quadrant): late apoptotic cells; (Annexin V-/PI-, left lower quadrant): viable cells. |