Supporting Information to:

Cytotoxicity, Apoptosis and DNA Damage Induced by *Alpinia Galanga* Rhizome Extract

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Table **1S** Summary of the molecular weight (MW) and the atomic composition determined based on the EI-MS spectral information for the three major components in the aqueous extract of the galangal (Figure 4 of main document)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Measured MW (Da)</th>
<th>Atomic composition</th>
<th>Calculated MW (Da)</th>
<th>Error (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>150.0678</td>
<td>C(<em>9)H(</em>{10})O(_2)</td>
<td>150.06808</td>
<td>2.2</td>
</tr>
<tr>
<td>2</td>
<td>192.0791</td>
<td>C(<em>{11})H(</em>{12})O(_3)</td>
<td>192.07864</td>
<td>-2.2</td>
</tr>
<tr>
<td>3</td>
<td>234.0888</td>
<td>C(<em>{13})H(</em>{14})O(_4)</td>
<td>234.08920</td>
<td>1.7</td>
</tr>
</tbody>
</table>
Figure 1S. Western blot of p53 protein and actin (loading control) in MCF-12A, CRL2335 and CRL2321 human mammary cells. Lanes a - protein in unirradiated cells; lanes b - protein in 5-Gy irradiated cells, 0 h; lanes c - protein in 5-Gy irradiated cells, 4 h.
Supporting Information
Figure 2S. Electron ionization mass spectrometry (EI-MS) analysis of the three major components fractionated from the aqueous extract of galangal as shown in
Figure 4, AS is for compound 1; BS is for compound 2, and CS is for compound 3.

Figure 2AS
Figure 2CS

Normalized ion intensity (%)

Mass to charge ratio (m/z)

77.03925
103.05471
132.05737
150.06737
162.87076
234.08881