**Fig. S1** Mean plasma concentration-time profiles of the total of the hydrolyzed ginkgolides and lactones after a single intravenous infusion of Ginkgo Diterpene Lactone Meglumine Injection (containing 25 mg ginkgolides) to 3 healthy male Chinese volunteers (n = 3):

(A) ginkgolide A;

(B) ginkgolide B;

(C) ginkgolide K.
Table S1 Summary of precision and accuracy of quality control sample added to the normal human plasma (n = 6).

<table>
<thead>
<tr>
<th>Analytes</th>
<th>Spiked conc. (ng/mL)</th>
<th>Intra-day precision (%)</th>
<th>Intra-day accuracy (%)</th>
<th>Inter-day precision (%)</th>
<th>Inter-day accuracy (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ginkgolide A</td>
<td>0.600</td>
<td>6.6</td>
<td>6.3</td>
<td>6.6</td>
<td>7.8</td>
</tr>
<tr>
<td></td>
<td>80.0</td>
<td>1.3</td>
<td>3.5</td>
<td>4.4</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td>2.1</td>
<td>5.6</td>
<td>5.9</td>
<td>-1.9</td>
</tr>
<tr>
<td>ginkgolide B</td>
<td>0.600</td>
<td>6.8</td>
<td>6.2</td>
<td>7.3</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>80.0</td>
<td>2.0</td>
<td>-0.3</td>
<td>3.8</td>
<td>-0.5</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td>3.6</td>
<td>0.0</td>
<td>4.1</td>
<td>-4.4</td>
</tr>
<tr>
<td>ginkgolide K</td>
<td>0.568</td>
<td>9.1</td>
<td>0.4</td>
<td>11.6</td>
<td>1.9</td>
</tr>
<tr>
<td></td>
<td>75.7</td>
<td>4.1</td>
<td>1.7</td>
<td>3.6</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>151</td>
<td>3.6</td>
<td>-3.3</td>
<td>3.4</td>
<td>-6.0</td>
</tr>
</tbody>
</table>
Table S2 Dilution integrity for the analytes in human plasma (n=5).

<table>
<thead>
<tr>
<th>Analytes</th>
<th>Spiked concentration (ng/mL)</th>
<th>dilution factor</th>
<th>Measured concentration (ng/mL)</th>
<th>accuracy(%, RE)</th>
<th>precision(%, RSD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ginkgolide A</td>
<td>400</td>
<td>10</td>
<td>385 ± 27.7</td>
<td>-3.8</td>
<td>7.2</td>
</tr>
<tr>
<td>ginkgolide B</td>
<td>400</td>
<td>10</td>
<td>402 ± 41.6</td>
<td>0.5</td>
<td>10.4</td>
</tr>
<tr>
<td>ginkgolide K</td>
<td>378</td>
<td>10</td>
<td>344 ± 29.7</td>
<td>-9.0</td>
<td>8.6</td>
</tr>
</tbody>
</table>
Table S3 Pharmacokinetic parameters of the total of the hydrolyzed ginkgolides and lactones following intravenous infusion of Ginkgo Diterpene Lactone Meglumine Injection (n = 3, mean ± SD).

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Unit</th>
<th>ginkgolide A</th>
<th>ginkgolide B</th>
<th>ginkgolide K</th>
</tr>
</thead>
<tbody>
<tr>
<td>$C_{\text{max}}$</td>
<td>ng/mL</td>
<td>685±160</td>
<td>605±87.2</td>
<td>45.7±25.4</td>
</tr>
<tr>
<td>$T_{\text{max}}$</td>
<td>h</td>
<td>3.33</td>
<td>3.28</td>
<td>3.28</td>
</tr>
<tr>
<td>$t_{1/2}$</td>
<td>h</td>
<td>9.77±3.16</td>
<td>11.3±0.949</td>
<td>1.32±0.155</td>
</tr>
<tr>
<td>$\text{AUC}_{(0-t)}$</td>
<td>ng·h/mL</td>
<td>3303±403</td>
<td>2950±675</td>
<td>129±68.5</td>
</tr>
<tr>
<td>$\text{AUC}_{(0-\infty)}$</td>
<td>ng·h/mL</td>
<td>3313±410</td>
<td>2972±679</td>
<td>130±68.7</td>
</tr>
<tr>
<td>CL</td>
<td>mL/h</td>
<td>2590±300</td>
<td>5043±1083</td>
<td>10430±7871</td>
</tr>
<tr>
<td>$\text{MRT}_{(0-t)}$</td>
<td>h</td>
<td>4.50±0.195</td>
<td>7.67±1.22</td>
<td>1.31±0.100</td>
</tr>
</tbody>
</table>