Supplementary data

New γ-pyrone glycoside from *Pachira glabra* and assessment of its gastro-protective activity using alcohol-induced gastric ulcer in rat model

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Figure S8. HR-ESI+ for HMGlu.
Adult male Wister rats, weighing 180-220 g were fasted for 24 hours before treatment

<table>
<thead>
<tr>
<th>Group 1 (Control)</th>
<th>Group 2 (Alcohol gp.)</th>
<th>Group 3 (Ref. gp.)</th>
<th>Group 4</th>
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<th>Group 6</th>
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<tr>
<td>DMSO/saline (10%) (5ml/kg)</td>
<td>Absolute alcohol (5ml/kg)</td>
<td>Omeprazole (5ml/kg) in 10% DMSO/saline</td>
<td>HMG (25 mg/kg) in 10% DMSO/saline</td>
<td>HMG (50 mg/kg) in 10% DMSO/saline</td>
<td>HMG (100 mg/kg) in 10% DMSO/saline</td>
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</tbody>
</table>

1 Hour

DMSO/saline

1 Hour

Absolute alcohol (5ml/kg)

Animals were anesthetized, sacrificed and their stomachs are dissected along greater curvature for further investigations.

Figure S9. Experimental scheme of in vivo assessment of the gastroprotective activity of HMGlu.
Figure S10. Mechanism diagram of the *in vivo* gastroprotective activity of HMGLu.