Effect of Olanzapine on Various Parameters in Female Rats Maintained on High Fat Diet

Body Weight

Daily Food Intake

Cumulative Food Intake

Body composition (chemical analysis)

<table>
<thead>
<tr>
<th>Group</th>
<th>Fat (g)</th>
<th>Water (g)</th>
<th>Protein (g)</th>
<th>Ash (g)</th>
<th>Carcass (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle po</td>
<td>33.3±2.3</td>
<td>162.9±1.3</td>
<td>54.9±0.6</td>
<td>11.1±0.2</td>
<td>263.5±2.3</td>
</tr>
<tr>
<td>Olanzapine 3 mg/kg po</td>
<td>40.8±1.6**</td>
<td>162.5±1.7</td>
<td>55.5±0.5</td>
<td>11.0±0.2</td>
<td>271.2±2.6**</td>
</tr>
</tbody>
</table>

Terminal Plasma Parameters

- Plasma glucose (mmol/l)
- Plasma insulin (mmol/l)
- HOMA-IR index

Results are adjusted means and SEM; n=15. *p<0.05, **p<0.01, ***p<0.001 versus the vehicle-treated control group. Terminal blood samples were taken after a 16 h fast and 4 h after the daily drug treatment on Day 15. HOMA-IR (homeostatic model assessment of insulin resistance).

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