Nomilin

Cat. No.: HY-N0547  
CAS No.: 1063-77-0  
Molecular Formula: C₂₈H₃₄O₉  
Molecular Weight: 514.56  
Target: Others  
Pathway: Others  
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Nomilin is a limonoid compound obtained from the extracts of citrus fruits. Nomilin is an anti-obesity and anti-hyperglycemic agent(^1)[2].</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Vitro</td>
<td>Nomilin treatment significantly mitigated cell death and decreased lactate dehydrogenase (LDH) release and ROS production in SH-SY5Y cells induced by oxygen-glucose deprivation (OGD), which was almost abolished by Nrf2 knockdown(^1).</td>
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<tr>
<td>In Vivo</td>
<td>Nomilin attenuated blood-brain barrier (BBB) disruption in MCAO rats, which might be associated with alleviating the loss of tight junction proteins, including ZO-1 and occludin-5(^1).</td>
</tr>
</tbody>
</table>

**REFERENCES**

1. Shi YS, et al. Nomilin protects against cerebral ischemia-reperfusion induced neurological deficits and blood-brain barrier disruption via the Nrf2 pathway. Food Funct. 2019 Sep 1;10(9):5323-5332.  