Ophiopogonin D

Cat. No.: HY-N0515
CAS No.: 945619-74-9
Molecular Formula: C₄₄H₇₀O₁₆
Molecular Weight: 855.02
Target: PPAR; NF-κB; Calcium Channel
Pathway: Cell Cycle/DNA Damage; NF-κB; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Ophiopogonin D, isolated from the tubers of <em>Ophiopogon japonicus</em>, is a rare naturally occurring C₂₉ steroidal glycoside[1]. Ophiopogonin D is a CYP2J3 inducer that significantly inhibits Ang II induced NF-κB nuclear translocation, IκBα down-regulation, intracellular Ca²⁺ overload and activation of pro-inflammatory cytokines by increasing the expression of CYP2J2/EETs and PPARα in human umbilical vein endothelial cells (HUVECs). Ophiopogonin D has been used to treat inflammatory and cardiovascular diseases for thousands of years[2].</th>
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<tbody>
<tr>
<td>I₅₀ &amp; Target</td>
<td>PPARα</td>
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**REFERENCES**
