Bilobetin

Cat. No.: HY-N2118
CAS No.: 521-32-4
Molecular Formula: $\text{C}_{31}\text{H}_{20}\text{O}_{10}$
Molecular Weight: 552.48
Target: PPAR; PKA
Pathway: Cell Cycle/DNA Damage; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

Description
Bilobetin, an active component of Ginkgo biloba, can reduce blood lipids and improve the effects of insulin. Bilobetin ameliorated insulin resistance, increased the hepatic uptake and oxidation of lipids, reduced very-low-density lipoprotein triglyceride secretion and blood triglyceride levels, enhanced the expression and activity of enzymes involved in $\beta$-oxidation and attenuated the accumulation of triglycerides and their metabolites in tissues. Bilobetin also increased the phosphorylation, nuclear translocation and activity of $\text{PPAR}{\alpha}$ accompanied by elevated cAMP level and $\text{PKA}$ activity[1].

<table>
<thead>
<tr>
<th>IC$_{50}$ &amp; Target</th>
<th>PPAR$\alpha$</th>
<th>PKA</th>
</tr>
</thead>
</table>

**REFERENCES**