

<b>Product Name</b>	: Kurarinone
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M22861
<b>CAS Number</b>	: 34981-26-5
<b>Molecular Formula</b>	: C <sub>26</sub> H <sub>30</sub> O <sub>6</sub>
<b>Formula Weight</b>	: 438.52
<b>Chemical Name</b>	: —
<b>Description</b>	<p>Kurarinone, a flavanoid derived from shrub <i>Sophora flavescens</i>, Kurarinone exhibits anti-tumor, estrogenic, and anti-inflammatory activities, it also shows strong inhibitory effect on immune responses. Kurarinone may ameliorate chronic inflammatory skin diseases through the suppression of pathogenic CD4(+) T-cell differentiation and the overall immune response. Kurarinone, a lavandulyl flavanone, was isolated from a polyphenolic extract of the roots of <i>Sophora flavescens</i> using fractionation guided by estrogenic activity, which was determined by recombinant yeast and Ishikawa Var-I bioassays. METHODS AND RESULTS: Kurarinone showed weak estrogenic activity both in the yeast screen and in the Ishikawa Var-I assay with EC(50) values of 4.6 and 1.66 microM, respectively. Furthermore, Kurarinone was found to have potent cytotoxic activity (IC(50) value = 22.2 microM) against human MCF-7/6 breast cancer cells in the sulforhodamine-B assay.</p>
<b>Pathway</b>	: Others
<b>Target</b>	: Other Targets
<b>Receptor</b>	: Others
<b>Solubility</b>	: —
<b>SMILES</b>	: <chem>O=C1C[C@@H](C2=CC=C(O)C=C2O)OC3=C(C[C@@H](C(C)=C)C/C=C(C(C)\C)C(O)=CC(OC)=C13</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

1. Estrogenic and anticarcinogenic properties of kurarinone, a lavandulyl flavanone from the roots of *Sophora flavescens*. J. Nat. Prod., 2004, 67(11):1829-32.