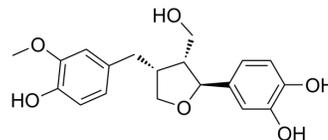


## Taxiresinol

Cat. No.:	HY-14578
CAS No.:	40951-69-7
Molecular Formula:	C <sub>19</sub> H <sub>22</sub> O <sub>6</sub>
Molecular Weight:	346.37
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Taxiresinol is an orally active and potent lignan, that can be isolated from the heartwood of <i>Taxus baccata</i> . Taxiresinol shows significant antinociceptive activity <sup>[1]</sup> .								
<b>In Vivo</b>	<p>Taxiresinol (100 mg/kg, oral administration, once) shows significant antinociceptive activity against p-benzoquinone-induced abdominal contractions in mice<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Swiss albino mice (20-25 g)<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>100 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Oral administration, sixty minutes after the oral administration of test sample, the mice were intraperitoneally injected with 0.1 ml/10 g body weight of 2.5% (v/v) p-benzoquinone solution in distilled H<sub>2</sub>O.</td> </tr> <tr> <td>Result:</td> <td>Showed significant antinociceptive activity against p-benzoquinone-induced abdominal contractions (writhing movements) in mice, with a inhibitory ratio of 37.8%.</td> </tr> </table>	Animal Model:	Male Swiss albino mice (20-25 g) <sup>[1]</sup>	Dosage:	100 mg/kg	Administration:	Oral administration, sixty minutes after the oral administration of test sample, the mice were intraperitoneally injected with 0.1 ml/10 g body weight of 2.5% (v/v) p-benzoquinone solution in distilled H <sub>2</sub> O.	Result:	Showed significant antinociceptive activity against p-benzoquinone-induced abdominal contractions (writhing movements) in mice, with a inhibitory ratio of 37.8%.
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### REFERENCES

[1]. Küpeli E, et al. Anti-inflammatory and antinociceptive activity of taxoids and lignans from the heartwood of *Taxus baccata* L. *J Ethnopharmacol.* 2003 Dec;89(2-3):265-70.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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