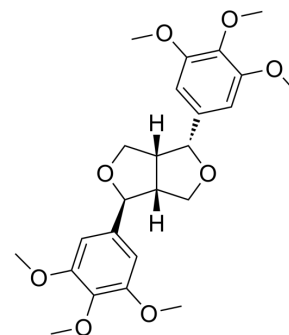


## Epiyangambin

Cat. No.:	HY-121377
CAS No.:	24192-64-1
Molecular Formula:	C <sub>24</sub> H <sub>30</sub> O <sub>8</sub>
Molecular Weight:	446.49
Target:	Platelet-activating Factor Receptor (PAFR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Epiyangambin is a competitive platelet activating factor receptor (PAF) antagonist that dose-dependently inhibits PAF-induced platelet aggregation. Epiyangambin also inhibits the growth of human colon cancer cells (SW480 cells) <sup>[1][2]</sup> .								
<b>In Vitro</b>	<p>Epiyangambin (0-25 μM; 24 h) inhibits growth of SW480 cells in a dose-dependent manner<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>SW480 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-25 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Caused reductions in cell number in a dose-dependent manner.</td> </tr> </table>	Cell Line:	SW480 cells	Concentration:	0-25 μM	Incubation Time:	24 h	Result:	Caused reductions in cell number in a dose-dependent manner.
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Result:	Caused reductions in cell number in a dose-dependent manner.								
<b>In Vivo</b>	Epiyangambin (20 mg/kg) significantly inhibits PAF (platelet activating factor)-induced thrombocytopenia in rats <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								

### REFERENCES

[1]. Hausott B, et al. Naturally occurring lignans efficiently induce apoptosis in colorectal tumor cells. J Cancer Res Clin Oncol. 2003 Oct;129(10):569-76.

[2]. Castro-Faria-Neto HC, et al. Pharmacological profile of epiyangambin: a furofuran lignan with PAF antagonist activity. J Lipid Mediat. 1993 May;7(1):1-9.

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

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