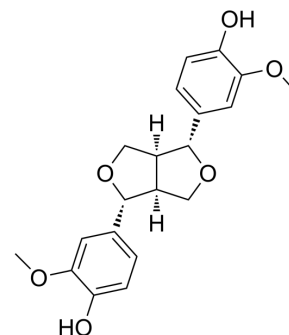


(-)-Pinoresinol

Cat. No.:	HY-126067
CAS No.:	81446-29-9
Molecular Formula:	C ₂₀ H ₂₂ O ₆
Molecular Weight:	358.39
Target:	Glucosidase; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(-)-Pinoresinol is a plant-derived tetrahydrofuran lignan that inhibits α -glucosidase and acts as a hypoglycemic agent. (-)-Pinoresinol has some anti-inflammatory effects and acts as a chemopreventive agent, inducing increased apoptosis and cell cycle G2/M arrest^[1].

REFERENCES

- [1]. Lucia Fini, et al. Chemopreventive properties of pinoresinol-rich olive oil involve a selective activation of the ATM-p53 cascade in colon cancer cell lines. *Carcinogenesis*. 2008 Jan;29(1):139-46.
- [2]. Alexandrine During, et al. Among plant lignans, pinoresinol has the strongest antiinflammatory properties in human intestinal Caco-2 cells. *J Nutr*. 2012 Oct;142(10):1798-805.

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

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