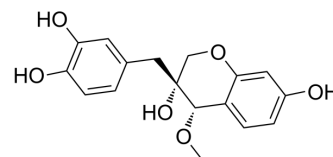


## 4-O-Methylsappanol

Cat. No.:	HY-N2640
CAS No.:	104778-16-7
Molecular Formula:	C <sub>17</sub> H <sub>18</sub> O <sub>6</sub>
Molecular Weight:	318.32
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	4-O-Methylsappanol is a natural isoflavonoid with antifungal activities. 4-O-Methylsappanol shows activity against <i>Beauveria bassiana</i> <sup>[1]</sup> . 4-O-Methylsappanol (EC <sub>50</sub> of 4.6 μM) strongly suppresses Melanin (Melanin) synthesis in HMV-II cells [2].
In Vitro	4-O-Methylsappanol shows moderate cytotoxicities against HMV-II cells with an IC <sub>50</sub> value of 20.2 μM <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. V L Niranjan Reddy, et al. Inhibitory activity of homoisoflavonoids from *Caesalpinia sappan* against *Beauveria bassiana*. *Fitoterapia*. 2003 Sep;74(6):600-2.
- [2]. Kaoru Mitani, et al. Suppression of melanin synthesis by the phenolic constituents of sappanwood (*Caesalpinia sappan*). *Planta Med*. 2013 Jan;79(1):37-44.

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

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