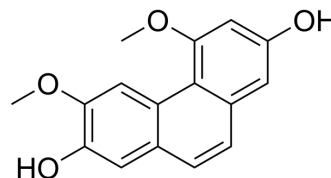


## 3,5-Dimethoxy-2,7-phenanthrenediol

Cat. No.:	HY-N10621
CAS No.:	108352-70-1
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	270.28
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

3,5-Dimethoxy-2,7-phenanthrenediol (compound 2) is a phenanthrene compound isolated from the roots of *Combretum laxum*. 3,5-Dimethoxy-2,7-phenanthrenediol is cytotoxic to human cancer cell lines 786-0, MCF-7 and NCI/ADR-RES, with IC<sub>50</sub>s of 73.26 μM, 118.40 μM and 83.99 μM respectively. 3,5-Dimethoxy-2,7-phenanthrenediol also has free radical scavenging activity with an IC<sub>50</sub> of 20.4 μM<sup>[1]</sup>.

### REFERENCES

[1]. Bisoli E, et al. Cytotoxic Phenanthrene, Dihydrophenanthrene, and Dihydrostilbene Derivatives and Other Aromatic Compounds from *Combretum laxum*. *Molecules*. 2020 Jul 10;25(14):3154.

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

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