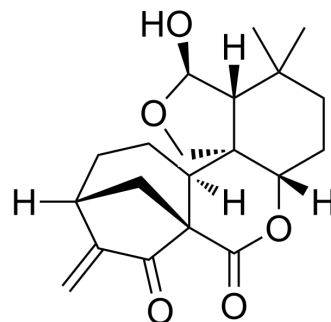


## (-)-Isodocarpin

Cat. No.:	HY-134046
CAS No.:	10391-08-9
Molecular Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>5</sub>
Molecular Weight:	346.42
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(-)-Isodocarpin (Isodocarpin), a diterpenoid, is a potent melanogenesis inhibitor with an IC<sub>50</sub> of 0.19 μM in B16 4A5 cells. (-)-Isodocarpin inhibits the expression of tyrosinase, tyrosine-related protein (TRP)-1, and TRP-2 mRNA<sup>[1]</sup>.

### REFERENCES

[1]. Yoshiaki Manse, et al. Melanogenesis Inhibitory Activity of Diterpenoid and Triterpenoid Constituents from the Aerial Part of Isodon trichocarpus. Natural Product Communications. August 1, 2017.

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

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