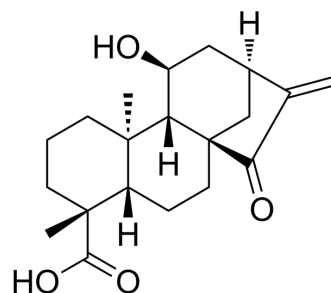


## ent-11 $\alpha$ -Hydroxy-15-oxokaur-16-en-19-oic acid

Cat. No.:	HY-N3810
CAS No.:	57719-81-0
Molecular Formula:	C <sub>20</sub> H <sub>28</sub> O <sub>4</sub>
Molecular Weight:	332.43
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

ent-11 $\alpha$ -Hydroxy-15-oxokaur-16-en-19-oic acid is an anti-melanin synthesis tyrosinase inhibitor, which can be isolated from *Pteris fern*. ent-11 $\alpha$ -Hydroxy-15-oxokaur-16-en-19-oic acid regulates the melanogenesis transcription factor microphthalmia-associated transcription factor (MITF). The 11 $\alpha$ -OH, 15-oxo and 16-en moieties of ent-11 $\alpha$ -Hydroxy-15-oxokaur-16-en-19-oic acid are key fragments that inhibit melanin synthesis. The 19-COOH moiety has been implicated in the inhibition of cytotoxicity associated with 11 $\alpha$ -OH KA and related compounds<sup>[1]</sup>.

### REFERENCES

[1]. Kuroi A, et al. The Importance of 11 $\alpha$ -OH, 15-oxo, and 16-en Moieties of 11 $\alpha$ -Hydroxy-15-oxo-kaur-16-en-19-oic Acid in Its Inhibitory Activity on Melanogenesis. *Skin Pharmacol Physiol*. 2017;30(4):205-215.

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

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