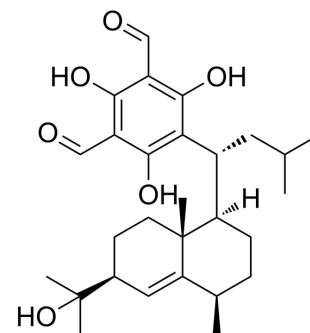


## Macrocarpal E

Cat. No.:	HY-N3342
CAS No.:	142628-54-4
Molecular Formula:	C <sub>28</sub> H <sub>40</sub> O <sub>6</sub>
Molecular Weight:	472.61
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Macrocarpal E is a potent antibacterial agent. Macrocarpal E is a phloroglucinol dialdehyde diterpene derivatives that can be found in the leaves of <i>Eucalyptus macrocarpa</i> <sup>[1]</sup> .
<b>In Vitro</b>	Macrocarpal E shows antibacterial activity with the MIC of 0.78, 3.13, 0.39, 0.78 µg/mL for <i>Staphylococcus aureus</i> FAD209P, <i>Micrococcus luteus</i> ATCC9341, <i>Bacillus subtilis</i> PCI219, <i>Mycobacterium smegmatis</i> ATCC607, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yamakoshi Y, et al. Isolation and characterization of macrocarpals B--G antibacterial compounds from *Eucalyptus macrocarpa*. *Biosci Biotechnol Biochem*. 1992 Oct;56(10):1570-6.

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

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