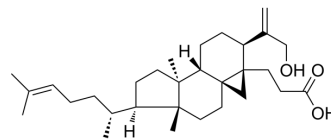


## Secaubryenol

Cat. No.:	HY-N1272
CAS No.:	925932-08-7
Molecular Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>
Molecular Weight:	456.7
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Secaubryenol is a class of 3,4-seco-cycloartane triterpenes isolated from <i>Coussarea macrophylla</i> . Secaubryenol does not display any cytotoxic effect at a dose of 10 µg/mL <sup>[1][2][3]</sup> .
<b>In Vitro</b>	Secaubryenol exhibits IC <sub>50</sub> value over 100 µM against tumor cell lines (MCF-7 (breast cancer cells, ER (estrogen receptor) positive), MDA (breast cancer cells, ER negative), PC-3 (prostate cancer cells), and HeLa (cervical cancer cells)) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Grougnet R, et al. Cytotoxic 3,4-seco-cycloartane triterpenes from the exudate of *Gardenia tubifera*. *J Nat Prod.* 2006 Dec;69(12):1711-4.
- [2]. Gilardoni G, et al. New 3,4-Secocycloartane and 3,4-Secodammarane Triterpenes from the Ecuadorian Plant *Coussarea macrophylla*. *Chem Biodivers.* 2015 Jun;12(6):946-54.
- [3]. ThanesuanNuanyai, et al. Cycloartane triterpenes from the exudate of *Gardenia thailandica*. *Phytochemistry Letters.* Volume 4, Issue 1, 15 March 2011, Pages 26-29.

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

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