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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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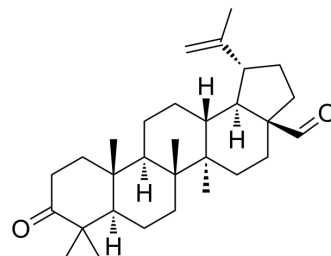
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Betulonaldehyde

Cat. No.:	HY-N9475
CAS No.:	4439-98-9
Molecular Formula:	C ₃₀ H ₄₆ O ₂
Molecular Weight:	438.69
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Betulonaldehyde is a pentacyclic triterpenoid that can be isolated from *Diospyros filipendula*. Betulonaldehyde has antiplasmodial activity (IC₅₀: 3.36 µg/mL). Betulonaldehyde has cytotoxic to NCI H187 lung cancer cells and non-cancerous Vero cells (IC₅₀s: 19.23 and 17.09 µg/mL, respectively). Betulonaldehyde inhibits Phorbol 12-myristate 13-acetate (HY-18739) induced inflammation in mice^{[1][2]}.

REFERENCES

- [1]. Wisetsai A, et al. Chemical constituents and their biological activities from the roots of *diospyros filipendula*. *Nat Prod Res.* 2021 Aug;35(16):2739-2743.
- [2]. Yasukawa K, et al. Some lupane-type triterpenes inhibit tumor promotion by 12-O-tetradecanoylphorbol-13-acetate in two-stage carcinogenesis in mouse skin. *Phytomedicine.* 1995 Apr;1(4):309-13.

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

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