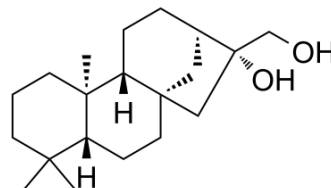


Kauran-16,17-diol

| | |
|--------------------|---|
| Cat. No.: | HY-N7422 |
| CAS No.: | 16836-31-0 |
| Molecular Formula: | C ₂₀ H ₃₄ O ₂ |
| Molecular Weight: | 306.48 |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Kauran-16,17-diol (ent-Kauran-16β,17-diol), a natural diterpene, possesses anti-tumor and inducing-apoptosis activity, with a IC ₅₀ of 17 μM on inhibiting NO production in LPS-stimulated RAW 264.7 macrophages ^{[1][2]} . |
| In Vitro | Kauran-16,17-diol (ent-Kauran-16β,17-diol) down-regulates Bcl-2 by disruption of the Ap-2α/Rb transcription activating complex and induces E2F1 up-regulation in MCF-7 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Alvaro Morales, et al. The natural diterpene ent-16β-17α-dihydroxykaurane down-regulates Bcl-2 by disruption of the Ap-2α/Rb transcription activating complex and induces E2F1 up-regulation in MCF-7 cells. *Apoptosis*. 2011 Dec;16(12):1245-52.
- [2]. Nguyen Xuan Nhiem, et al. New ent-kauranes from the fruits of *Annona glabra* and their inhibitory nitric oxide production in LPS-stimulated RAW264.7 macrophages. *Bioorg Med Chem Lett*. 2015 Jan 15;25(2):254-8.

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

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