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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

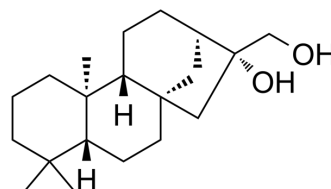
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA