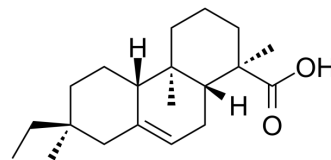


Dihydroisopimaric acid

Cat. No.:	HY-133614
CAS No.:	5673-36-9
Molecular Formula:	C ₂₀ H ₃₂ O ₂
Molecular Weight:	304.47
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dihydroisopimaric acid activates large conductance Ca ²⁺ activated K ⁺ (BK) channels α 1 in the direct measurement of BK α 1 opening under whole-cell voltage clamp ^[1] .
In Vitro	Effects of these compounds (10 μ M) on the membrane potential of HEK BK α 1 were monitored by use of DiBAC(4) ₃ , a voltage-sensitive dye. Dihydroisopimaric acid induces substantial membrane hyperpolarization. Dihydroisopimaric acid (1-10 μ M) activates BK α 1 in the direct measurement of BK α 1 opening under whole-cell voltage clamp ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Imaizumi Y, et al. Molecular basis of pimarane compounds as novel activators of large-conductance Ca(2+)-activated K(+) channel α -subunit. Mol Pharmacol. 2002;62(4):836-846.

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

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