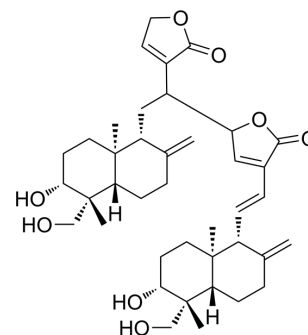


Bisandrographolide A

Cat. No.:	HY-N2940
CAS No.:	160498-00-0
Molecular Formula:	C ₄₀ H ₅₆ O ₈
Molecular Weight:	664.87
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bisandrographolide A (BAA) activates TRPV4 channel with an EC ₅₀ of 790-950 nM. Bisandrographolide A can bind to CD81 and suppress its function. Bisandrographolide A is an anti-inflammatory, immunostimulant, and antihypertensive compound ^{[1][2]} .
IC₅₀ & Target	TRPV4 channel ^[1] .

REFERENCES

- [1]. Yue GG, et al. Identification of active components in *Andrographis paniculata* targeting on CD81 in esophageal cancer in vitro and in vivo. *Phytomedicine*. 2022 Jul 20;102:154183.
- [2]. Vriens J, et al. Determinants of 4 alpha-phorbol sensitivity in transmembrane domains 3 and 4 of the cation channel TRPV4. *J Biol Chem*. 2007 Apr 27;282(17):12796-803.

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

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