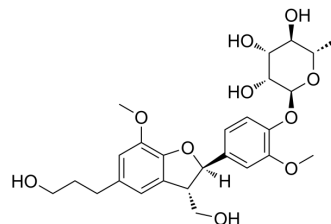


Icariside E4

Cat. No.:	HY-N9854
CAS No.:	126253-42-7
Molecular Formula:	C ₂₆ H ₃₄ O ₁₀
Molecular Weight:	506.54
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

Icariside E4 is an antinociceptive agent, and can be isolated from *Tabebuia roseo-alba*. Icariside E4 has peripheral analgesic activity by ATP-sensitive K⁺ channel-dependent mechanisms. Icariside E4 also has anti-oxidant, anti-Alzheimer and anti-inflammatory effects^{[1][2]}.

REFERENCES

- [1]. Veiga TA, et al. Furoquinoline alkaloids isolated from *Balfourodendron riedelianum* as photosynthetic inhibitors in spinach chloroplasts. *J Photochem Photobiol B*. 2013 Mar 5;120:36-43.
- [2]. Suh JY, et al. Hypolipogenic effects of Icariside E4 via phosphorylation of AMPK and inhibition of MID1IP1 in HepG2 cells. *Phytother Res*. 2023 Jan;37(1):7-14.

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