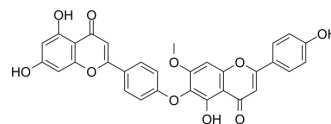


Isocryptomerin

Cat. No.:	HY-N11506
CAS No.:	20931-58-2
Molecular Formula:	C ₃₁ H ₂₀ O ₁₀
Molecular Weight:	552.48
Target:	Fungal; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Isocryptomerin is a membrane-active antifungal compound that can be isolated from <i>Selaginella tamariscina</i> . Isocryptomerin can depolarize fungal plasma membrane. Isocryptomerin also shows anticancer and antibacterial activities [1][2].
In Vitro	Isocryptomerin suppresses lymphocyte proliferation and shows the cytotoxicity against human tumor cell lines ^[1] . Isocryptomerin (48 h) shows antifungal activity with MICs of both 18.11 μM against <i>C. albicans</i> , <i>T. beigelii</i> and <i>S. cerevisiae</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Lee J, et al. Isocryptomerin, a novel membrane-active antifungal compound from *Selaginella tamariscina*. *Biochem Biophys Res Commun*. 2009 Feb 13;379(3):676-80.
- [2]. Lee J, et al. Antibacterial and synergistic activity of isocryptomerin isolated from *Selaginella tamariscina*. *J Microbiol Biotechnol*. 2009 Feb;19(2):204-7.

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

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