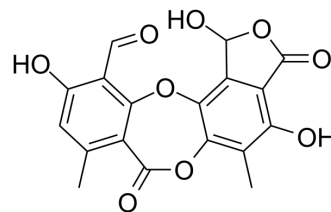


Norstictic acid

Cat. No.:	HY-N10457
CAS No.:	571-67-5
Molecular Formula:	C ₁₈ H ₁₂ O ₉
Molecular Weight:	372.28
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Norstictic acid is a potent and selective allosteric transcriptional regulator. Norstictic acid shows anticancer activity. Norstictic acid shows antioxidant activity and antimicrobial activity ^{[1][2][3][4]} .
In Vitro	Norstictic acid significantly suppresses the TNBC MDA-MB-231 cell proliferation, migration, invasion with low toxicity ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Garlick JM, et al. Norstictic Acid Is a Selective Allosteric Transcriptional Regulator. *J Am Chem Soc.* 2021 Jun 30;143(25):9297-9302.
- [2]. Ebrahim HY, et al. Norstictic Acid Inhibits Breast Cancer Cell Proliferation, Migration, Invasion, and In Vivo Invasive Growth Through Targeting C-Met. *Phytother Res.* 2016 Apr;30(4):557-66.
- [3]. Ranković B, et al. Biological activities of *Toninia candida* and *Usnea barbata* together with their norstictic acid and usnic acid constituents. *Int J Mol Sci.* 2012 Nov 12;13(11):14707-22.
- [4]. Tay T, et al. Evaluation of the antimicrobial activity of the acetone extract of the lichen *Ramalina farinacea* and its (+)-usnic acid, norstictic acid, and protocetraric acid constituents. *Z Naturforsch C J Biosci.* 2004 May-Jun;59(5-6):384-8.

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

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