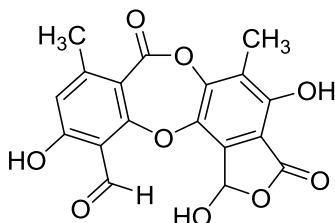


Norstictic acid

Code No.: **BIA-N1740**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 571-67-5
Molecular Formula	: C ₁₈ H ₁₂ O ₉
Molecular Weight	: 372.3
Source	: <i>Lobaria</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Norstictic acid was first reported in 1934 as a metabolite produced by the lichen, *Lobaria pulmonaria*, along with two related compounds. Norstictic acid has antioxidant, antimicrobial and antitumor activities. Norstictic acid treatment significantly suppresses MDA-MB-231/GFP tumor growth of a breast cancer xenograft model in athymic nude mice.

References

1. Lichen substances. XXXIX. A new lichen acid, norstictinic acid, and the occurrence of d-arabitol in lichens. Asahina Y. & Yanagita M.,
2. Berichte der Deutschen Chemischen Gesellschaft [Abteilung] B: Abhandlungen 1934, 67B, 799.
3. Biological activities of *Toninia candida* and *Usnea barbata* together with their norstictic acid and usnic acid constituents. Rankovic B. et al., Int. J. Mol. Sci. 2012, 13, 14797.
4. Norstictic acid inhibits breast cancer cell proliferation, migration, invasion, and in vivo invasive growth through targeting C-Met. Ebrahim H.Y. et al., Phytother. Res. 2016 30, 557.