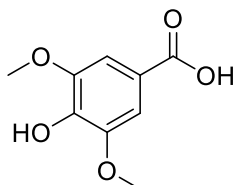


Syringic acid

Code No.: **BIA-S2355**

Pack sizes: **5 mg, 25 mg**



Synonyms : Cedar acid, Gallic acid 3,5-dimethyl ether, NSC 2129

Specifications

CAS #	: 530-57-4
Molecular Formula	: C₉H₁₀O₅
Molecular Weight	: 198.17
Source	: <i>Euterpe oleracea</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Syringic acid, the 3,5-dimethyl ether derivative of gallic acid, is a phenolic compound often found in fruits and vegetables which is synthesized via the shikimic acid pathway in plants. Syringic acid, reviewed by Cheemanapalli and colleagues in 2018, has a broad bioprofile, possessing antioxidant, antimicrobial, antiinflammatory, antiendotoxic, neuro- and hepatoprotective activities. It is an effective free radical scavenger and alleviates the oxidative stress markers. Syringic acid application to plants increases lignin deposition in interfascicular fibers and attenuates cesium-induced growth defects in Arabidopsis.

References

1. Syringic acid – A review of its occurrence, biosynthesis, pharmacological and industrial importance. Cheemanapalli S. et al. Biomed Pharmacother. 2018, 108, 547.
2. Syringic acid alleviates cesium-induced growth defect in Arabidopsis. Adams E. et al. Int. Mol Sci. 2020, 21, 9116.