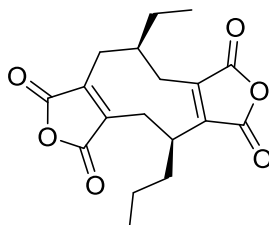


Byssochlamic acid

Code No.: **BIA-B1805**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : (+)-Byssochlamic Acid

Specifications

CAS #	: 743-51-1
Molecular Formula	: C ₁₈ H ₂₀ O ₆
Molecular Weight	: 332.4
Source	: <i>Byssochlamys fulva</i>
Appearance	: Light yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Byssochlamic acid is a nonadride mycotoxin first isolated from *Byssochlamys fulva* by Raistrick and Smith at the University of London, UK in 1933. Byssochlamic acid is closely related to the mycotoxins rubratoxin B, produced by *Penicillium rubrum*, and glaucanic acid, isolated from *P. glaucum*. The reported pharmacology of byssochlamic acid is limited to antitumor and phytotoxic activity.

References

1. The biochemistry of microorganisms. XXXV. The metabolic products of *Byssochlamys fulva* Olliver and Smith. Raistrick H. & Smith G., *Biochem. J.* 1933, 27, 1814.
2. The structure of byssochlamic acid. Hamor T.A. et al., *Experientia* 1962, 43, 352.
3. A disease of swine and cattle caused by eating moldy corn. II. Experimental production with pure cultures of molds. Burnside J.E., *Amer. J. Vet. Res.* 1957, 18, 817.
4. Novel nonadride, heptadride and maleic acid metabolites from the byssochlamic acid producer *Byssochlamys fulva* IMI 40021 – an insight into the biosynthesis of maleidrides. Szwalbe A.J. et al., *Chem. Commun.* 2015, 51, 17088.
5. Germination-inhibiting and fermentation-inhibiting effects of byssochlamic acid. Meyer H. & Rehm H.J., *Naturwissenschaften* 1969, 56, 563.