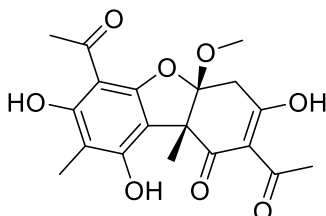


Mycousnine

Code No.: **BIA-M2292**

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



Synonyms : (-)-Mycousnine, (-)-Mycousnin

Specifications

CAS #	: 77480-55-8
Molecular Formula	: C₁₉H₂₀O₈
Molecular Weight	: 376.36
Source	: Unidentified fungus
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Mycousnine is an usnic acid analogue with phytotoxic properties isolated from the plant pathogen, *Mycosphaerella nawae*. Mycousnine is also derived from the lichen and fungal metabolite, usnic acid. Mycousnine is a potent antibacterial.

References

1. Comparative positive and negative ion mass spectrometry of usnic acid and related metabolites. Huneck S. & Schmidt J. et al. Biomed Mass Spectrom. 1980, 7, 301.
2. Structures of (-)-mycousnine, (+)-isomycousnine and (+)-oxymycousnine, new usnic acid derivatives from phytopathogenic *Mycosphaerella nawae*. Sassa T. et al. Ag Biol Chem. 1990, 54, 2231.
3. Mycousfurans A and B, antibacterial usnic acid congeners from the fungus *Mycosphaerella* sp., isolated from a marine sediment. Lee J. et al. Mar Drugs 2019, 17, 422.