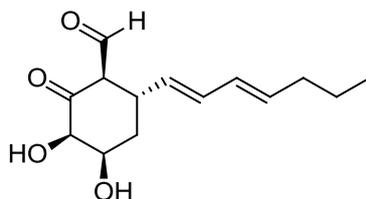


Frequentin

Code No.: **BIA-F1702**

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



Synonyms :

Specifications

CAS #	: 29119-03-7
Molecular Formula	: C ₁₄ H ₂₀ O ₄
Molecular Weight	: 252.3
Source	: <i>Penicillium sp.</i>
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Frequentin is a polar neutral metabolite isolated from *P. frequentans* by Curtis and co-workers at ICI in 1951. Frequentin is a cyclitol-like metabolite bearing a heptadiene chain. Frequentin, the aldehyde analogue of palitantin, exists as the hydroxymethylene in solution. Frequentin has been found in a number of *Penicillium* species and is a useful metabolite for chemotaxonomy of the genus. Frequentin is a potent antifungal active with minimal toxicity to mammalian cells.

References

1. Frequentin: an antibiotic produced by some strains of *Penicillium frequentans* Westling. Curtis P.J. et al., *Nature* 1951, 167, 557.
2. A structural relationship between frequentin and palitantin. Curtis P.J. and Duncanson L.A., *Biochem. J.* 1952, 51, 276.