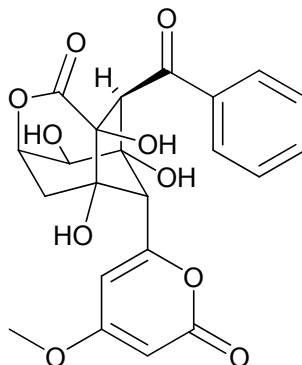


Enterocin

Code: **BIA-E1279**

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



Synonyms : **Vulgamycin, A 5294, WS 8096, Antibiotic A 5294, Antibiotic WS 8096**

Specifications

CAS # : **59678-46-5**
Molecular Formula : **C₂₂H₂₀O₁₀**
Molecular Weight : **444.4**
Source : ***Streptomyces* sp.**
Appearance : **White solid**
Purity : **>95%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

Enterocin is a potent antibiotic with broad spectrum activity against Gram +ve and Gram -ve bacteria. Although the mechanism of action of enterocin is unknown, it acts synergistically with streptomycin and chloramphenicol. The genetics of enterocin biosynthesis has been extensively investigated. Enterocin is a small molecular weight secondary metabolite and should not be confused with bacterial proteins isolated from *Enterococci* generically referred to as "enterocins".

References

1. Enterocin, a new antibiotic. Miyairi N. et al., J. Antibiot. 1976, 29, 227.
2. Natural metabolic diversity encoded by the enterocin biosynthesis gene cluster. Piel J. et al. J. Am. Chem. Soc. 2000, 122, 5415.