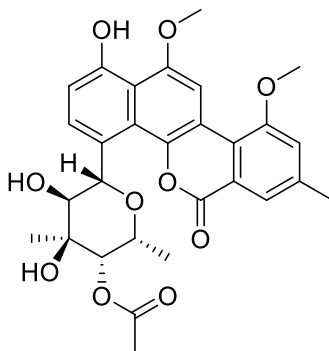


4'-Acetylchrysomycin A

Code No.: **BIA-A2350**

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



Synonyms : Acetylchrysomycin V

Specifications

CAS #	: NA
Molecular Formula	: C ₂₉ H ₃₀ O ₁₀
Molecular Weight	: 538.5
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

4'-Acetylchrysomycin A and its co-metabolite, 4'-acetylchrysomycin B, were isolated during a screen for antitumor agents. Acetylation of chrysomycin A reduces cytotoxicity, although both are highly potent (IC₅₀s <10 ng ml⁻¹) with 4'-acetylchrysomycin A being predominant in nuclei at concentrations where the autofluorescence was observable. Acetylchrysomycins are active against Gram-positive bacteria, including MRSA and VRE, with MICs of 0.5-2 µg ml⁻¹ to >64 µg ml⁻¹ for 4'-acetylchrysomycin A and B, respectively.

References

1. Structures and biological activities of novel 4'-acetylated analogs of chrysomycins A and B. Wada S. et al. J. Antibiot. 2017, 70, 1078.