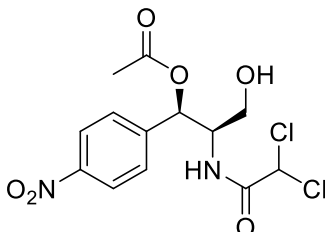


1-Acetylchloramphenicol

Code No.: **BIA-A2357**

Pack sizes: **0.25 mg, 1 mg**



Synonyms : 1-O-Acetylchloramphenicol, Chloramphenicol 1-acetate

Specifications

CAS #	: 23214-93-9
Molecular Formula	: C ₁₃ H ₁₄ Cl ₂ N ₂ O ₆
Molecular Weight	: 365.17
Source	: <i>Corynebacterium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

1-Acetylchloramphenicol is an isomer of chloramphenicol acetate, a naturally-occurring co-metabolite of chloramphenicol in *Streptomyces venezuelae* albeit with significantly lower potency. Chloramphenicol acetate is the major product of chloramphenicol acetyltransferase, the major resistance mechanism to chloramphenicol.

References

1. Isolation of 3'-O-acetylchloramphenicol: A possible intermediate in chloramphenicol biosynthesis. Gross F. et al., Bioorg. Med. Chem. Letters 2002, 12, 283.
2. Chloramphenicol acetyltransferase Shaw W.V. & Leslie A.G.W. Ann. Rev. Biophys. Biophys. Chem. 1991, 20, 363.