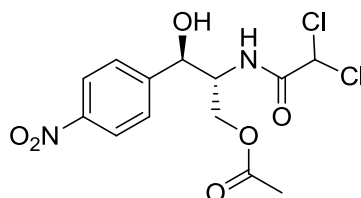


Chloramphenicol acetate

Code No.: **BIA-C1476**

Pack sizes: **5 mg, 25 mg**



Synonyms : 3-O-Acetylchloramphenicol, Chloramphenicol 3-acetate

Specifications

CAS #	: 10318-16-8
Molecular Formula	: C ₁₃ H ₁₄ Cl ₂ N ₂ O ₆
Molecular Weight	: 365.2
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Chloramphenicol acetate is a naturally-occurring co-metabolite of chloramphenicol in *Streptomyces venezuelae* with albeit 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.