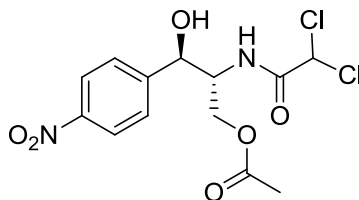


Chloramphenicol acetate

Code No.: **BIA-C1476**

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



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

Specifications

CAS #	: 10318-16-8
Molecular Formula	: $C_{13}H_{14}Cl_2N_2O_6$
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.

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