

Chloramphenicol Analogue Set

Code No.: **BIA-MS5009**

Specifications

Each set contains 1 x 1mg vial of each of the following products:

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Chloramphenicol	BIA-C1474	56-75-7	C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅	323.1
2	Azidamfenicol	BIA-A1485	13838-08-9	C ₁₁ H ₁₃ N ₅ O ₅	295.3
3	Bromamphenicol	BIA-B1490	16803-75-1	C ₁₁ H ₁₂ Br ₂ N ₂ O ₅	412.0
4	Chloramphenicol acetate	BIA-C1476	10318-16-8	C ₁₃ H ₁₄ Cl ₂ N ₂ O ₆	365.2
5	Chloramphenicol palmitate	BIA-C1477	530-43-8	C ₂₇ H ₄₂ Cl ₂ O ₆	561.5
6	Chloramphenicol succinate	BIA-P1478	3544-94-3	C ₁₅ H ₁₆ Cl ₂ N ₂ O ₈	423.2
7	Corynecin III	BIA-C1482	18048-95-8	C ₁₃ H ₁₈ N ₂ O ₅	282.3
8	Florfenicol	BIA-F1487	73231-34-2	C ₁₂ H ₁₄ Cl ₂ FNO ₄ S	358.2
9	Thiamphenicol	BIA-T1486	15318-45-3	C ₁₂ H ₁₅ Cl ₂ NO ₅ S	356.2

- Long Term Storage : **-20°C, protect from light**
- Stability : **Stable for more than 1 year when stored at -20°C, protected from light**
- Short Term Storage : **Stable at ambient temperature for 1-2 weeks, protected from light**
- Shipping : **Ambient temperature**
- Purity : **Minimum purity of >95% by HPLC**
- Solubility : **Methanol, ethanol, DMSO, limited water solubility**

Product Description: Research on chloramphenicol antibiotics has spanned 65 years with thousands of analogues prepared and published in the patent and scientific literature. The nine analogues in the Chloramphenicol Analogue Set represent pivotal advances in the development of the class, with the analogues displaying a range of physico-chemical, potency, spectrum of action and cross-resistance profiles. The Chloramphenicol Analogue Set is a useful tool in addressing current research questions on this important class of antibiotics.

Updated: 8 September 2014