

Tetracycline Analogue Set

Code No.: **BIA-MS5012**

Specifications

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

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Tetracycline	BIA-T1334	60-54-8	C ₂₂ H ₂₄ N ₂ O ₈	444.4
2	Chlortetracycline	BIA-C1335	57-62-5	C ₂₂ H ₂₃ ClN ₂ O ₈	478.9
3	Demeclocycline	BIA-D1462	127-33-3	C ₂₁ H ₂₁ ClN ₂ O ₈	468.9
4	Doxycycline	BIA-D1469	564-25-0	C ₂₂ H ₂₄ N ₂ O ₈	444.4
5	Meclocycline	BIA-M1464	2013-58-3	C ₂₂ H ₂₁ ClN ₂ O ₈	476.9
6	Methacycline	BIA-M1467	914-00-1	C ₂₂ H ₂₂ N ₂ O ₈	442.4
7	Minocycline	BIA-M1471	10118-90-8	C ₂₃ H ₂₇ N ₃ O ₇	457.5
8	Oxytetracycline	BIA-O1336	79-57-2	C ₂₂ H ₂₄ N ₂ O ₉	460.4
9	Sancycline	BIA-S1515	808-26-4	C ₂₁ H ₂₂ N ₂ O ₇	414.4
10	Tigecycline	BIA-T1371	220620-09-7	C ₂₉ H ₃₉ N ₅ O ₈	585.7

- 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, moderate water solubility**

Product Description: Tetracyclines are a class of linear tetracyclic antibiotics used for over 60 years with thousands of analogues prepared and published in the patent and scientific literature. Each of the ten analogues in the Tetracycline 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 set is a useful tool in addressing current research questions on antibiotics using the resources accumulated since the discovery of chlortetracycline in 1948.

Updated: 8 September 2014