

Pleuromutilin Analogue Set

Code No.: **BIA-MS5008**

Specifications

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

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Pleuromutilin	BIA-P1204	125-65-5	C ₂₂ H ₃₄ O ₅	378.5
2	Azamulin	BIA-A1489	76530-44-4	C ₂₄ H ₃₆ N ₄ O ₄ S	476.6
3	Dihydropleuromutilin	BIA-D1526	42302-24-9	C ₂₂ H ₃₆ O ₅	380.5
4	Mutilin	BIA-M1333	6040-37-5	C ₂₀ H ₃₂ O ₃	320.5
5	Retapamulin	BIA-R1491	224452-66-8	C ₃₀ H ₄₇ NO ₄ S	517.8
6	Tiamulin	BIA-T1321	55297-95-5	C ₂₈ H ₄₇ NO ₄ S	493.7
7	Valnemulin	BIA-V1492	101312-92-9	C ₃₁ H ₅₂ N ₂ O ₅ S	564.8

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 the pleuromutilin class of antibiotics has spanned 60 years with many analogues prepared and published in the patent and scientific literature. The seven analogues in the Pleuromutilin Analogue Set represent pivotal advances in the development of the pleuromutilin class, with the analogues displaying a range of physico-chemical, potency, spectrum of action and cross-resistance profiles. The Pleuromutilin Analogue Set is a useful tool in addressing current research questions on antibiotics using the resources accumulated since the discovery of pleuromutilin in 1951.

Updated: 8 September 2014