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ANALOGUE SET DATA SHEET

Erythromycin Analogue Set

Code No.: **BIA-MS5001**

Specifications

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

Vial #	Compound	Code No.	CAS #	Mol. Formula	Mol. Wt.
1	Erythromycin A	BIA-E1311	114-07-8	$C_{37}H_{67}NO_{13}$	733.9
2	Azithromycin	BIA-A1312	83905-01-5	$C_{38}H_{72}N_2O_{12}$	749.0
3	Clarithromycin	BIA-C1313	81103-11-9	$C_{38}H_{69}NO_{13}$	748.0
4	Davercin	BIA-E1433	55224-05-0	$C_{38}H_{65}NO_{14}$	759.9
5	Dirithromycin	BIA-D1314	62013-04-1	$C_{42}H_{78}N_2O_{14}$	835.1
6	Erythromycin A oxime	BIA-E1381	111321-02-9	$C_{37}H_{67}NO_{14}$	749.9
7	Erythromycylamine	BIA-E1517	26116-56-3	$C_{37}H_{70}N_2O_{12}$	735.0
8	Lexithromycin	BIA-L1519	53066-26-5	$C_{38}H_{70}N_2O_{13}$	763.0
9	Roxithromycin	BIA-R1315	80214-83-1	$C_{41}H_{76}N_2O_{15}$	837.1
10	Telithromycin	BIA-T1316	191114-48-4	$C_{43}H_{65}N_5O_{10}$	812.0
11	Tulathromycin	BIA-T1370	217500-96-4	$C_{41}H_{79}N_3O_{12}$	806.1

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 erythromycin class of antibiotics has spanned 60 years with tens of thousands of analogues prepared and published in the patent and scientific literature. The eleven analogues in the Erythromycin Analogue Set represent pivotal advances in the development of the erythromycin class. The analogues display a range of physico-chemical, potency, spectrum of action and cross-resistance profiles. The Erythromycin Analogue Set is a useful tool in addressing current research questions on antibiotics using the resources accumulated since the discovery of erythromycin in 1952.

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