bioaustralis
fine chemicals

ANALOGUE SET DATA SHEET

Erythromycin Degradation Set

Code No.: **BIA-MS5003**

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	Anhydroerythromycin A	BIA-A1348	23893-13-2	$C_{37}H_{65}NO_{12}$	715.9
3	Erythromycin A enol ether	BIA-E1347	33396-29-1	$C_{37}H_{65}NO_{12}$	715.9
4	Erythromycin A N-oxide	BIA-E1539	992-65-4	$C_{37}H_{67}NO_{14}$	749.9
5	Pseudoerythromycin A enol ether	BIA-P1349	105882-69-7	$C_{37}H_{65}NO_{12}$	715.9

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, some water solubility**

Product Description: Erythromycin A is a structurally complex macrocyclic lactone which can be degraded by acidity, alkalinity, heat, oxidation, light and temperature. In vivo, erythromycin A may also undergo enzymic conversions via hydrolysis, oxidation, derivatisation and coupling. The degradation products are not biologically inert; rather, they offer new structures with unique physical and chemical properties that are often poorly understood. The Erythromycin Degradation Set provides the major degradation products described in the literature as a tool for understanding the complexity of erythromycin degradation in both in vivo and ex vivo systems.

Updated: 8 September 2014

Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA
Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com