bioaustralis
fine chemicals

ANALOGUE SET DATA SHEET

Erythromycin Metabolite Set

Code No.: **BIA-MS5002**

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	N-Demethylerythromycin A	BIA-D1352	992-62-1	$C_{36}H_{65}NO_{13}$	719.9
3	Erythromycin A N-oxide	BIA-E1539	992-65-4	$C_{37}H_{67}NO_{14}$	749.9
4	Erythromycin B	BIA-E1350	527-75-3	$C_{37}H_{67}NO_{12}$	717.9
5	Erythromycin C	BIA-E1351	1675-02-1	$C_{36}H_{65}NO_{13}$	719.9

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, moderate water solubility**

Product Description: Erythromycin A is the major analogue of a complex of closely related analogues produced by Saccharopolyspora erythraea to become the first macrocyclic lactone antibiotic. Metabolite complexes are common in microbial fermentations and provide an ecological advantage to the microbe in a hostile and bio-diverse environment via differing physico-chemical properties and spectra of action. The Erythromycin Metabolite Set includes the major co-metabolite analogues of erythromycin described in the literature and provides a tool for understanding the pharmacological potential in nature's design of the erythromycin family.

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