

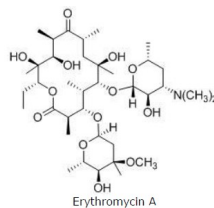
Erythromycin Degradation Set

Code No.: BIA-MS5003

Pack sizes.: 1mg, 5mg

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Product	Code No.	CAS #	Mol. Formula	Mol Wt.	Qty
Erythromycin A	BIA-E1311	114-07-8	C ₃₇ H ₆₇ NO ₁₃	733.9	1mg
Anhydroerythromycin A	BIA-A1348	23893-13-2	C ₃₇ H ₆₅ NO ₁₂	715.9	1mg
Erythromycin A enol ether	BIA-E1347	33396-29-1	C ₃₇ H ₆₅ NO ₁₂	715.9	1mg
Erythromycin A N-oxide	BIA-E1539	992-65-4	C ₃₇ H ₆₇ NO ₁₄	749.9	1mg
Pseudoerythromycin A enol ether	BIA-P1349	105882-69-7	C ₃₇ H ₆₅ NO ₁₂	715.9	1mg

Synonyms:

1mg or 5mg of each compound

Specifications

CAS #	: Varied
Molecular Formula	: Varied
Molecular Weight	: Varied
Source	: -
Appearance	: Varied
Purity	: -
Long Term Storage	: -20°C
Solubility	: Methanol, ethanol, DMSO, moderate water solubility

Application Notes

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. | 1. Erythromycin A - (CAS# 114-07-8) - Molecular Formula: C₃₇H₆₇NO₁₃ - Molecular Weight: 733.9 | 2. Anhydroerythromycin A - (CAS# 23893-13-2) - Molecular Formula: C₃₇H₆₅NO₁₂ - Molecular Weight: 715.9 | 3. Erythromycin A enol ether - (CAS# 33396-29-1) - Molecular Formula: C₃₇H₆₅NO₁₂ - Molecular Weight: 715.9 | 4. Erythromycin A N-oxide - (CAS# 992-65-4) - Molecular Formula: C₃₇H₆₇NO₁₄ - Molecular Weight: 749.9 | 5. Pseudoerythromycin A enol ether - (CAS# 105882-69-7) - Molecular Formula: C₃₇H₆₅NO₁₂ - Molecular Weight: 715.9

References