

Product Name:	Erythromycin A N-oxide
Product Number:	E054
CAS Number:	992-65-4
Molecular Formula:	C ₃₇ H ₆₇ NO ₁₄
Molecular Weight:	749.9
Appearance:	White solid
Solubility:	water, ethanol, methanol, DMF and DMSO
Source:	Saccharopolyspora erythraea
Storage Conditions:	-20°C
Description:	<p>Erythromycin A N-oxide is a minor analog of the Erythromycin complex. The N-oxide is a facile metabolite formed <i>in vivo</i> which can revert to Erythromycin A under reducing conditions. Despite its synthetic preparation in the 1950s, the biological activity of eErythromycin A N-oxide has not been extensively studied.</p> <p>Erythromycin A N-oxide is soluble in water, ethanol, methanol, DMF and DMSO.</p> <p>For other Erythromycin products, click here.</p>
References:	<p>Beran M et al (1991) Isolation of erythromycin A N-oxide and pseudoerythromycin A hemiketal from fermentation broth of <i>Saccharopolyspora erythraea</i> by thin-layer and high-performance liquid chromatography. <i>Chromatography A</i> 558:265</p> <p>Bluauerova M. et al (1991) Cosynthesis of erythromycin A N-oxide by mutants of <i>Saccharopolyspora erythraea</i> blocked in erythromycin production. <i>Folia Microbiol.</i> 36:533</p> <p>Flynn EH et al (1954) Erythromycin. I. Properties and degradation studies. <i>J. Am. Chem. Soc.</i> 76:3121</p>