

Product Name:	Erythromycin A oxime
Product Number:	E055
CAS Number:	111321-02-9
Molecular Formula:	C ₃₇ H ₆₇ NO ₁₄
Molecular Weight:	749.9
Appearance:	White solid
Solubility:	water, ethanol, methanol, DMF and DMSO.
Storage Conditions:	-20°C
Description:	<p>Erythromycin A 9-oxime is a semi-synthetic analog Erythromycin prepared as means of overcoming acid lability and improving oral absorption of Erythromycin A while retaining antibacterial potency. Although not developed as a commercial product, Erythromycin Oxime was pivotal in the development of the ring expanded aza-erythromycins (e.g. azithromycin) and the oxime ethers (e.g. roxithromycin).</p> <p>Erythromycin A 9-oxime is soluble in water, ethanol, methanol, DMF and DMSO.</p> <p>For other Erythromycin products, click here.</p>
References:	<p>Gasc JC et al (1994) New ether oxime derivative of erythromycin A structure-activity relationship study. J. Antibiot. 44: 313</p> <p>Djokic SJ (1986) Erythromycin series. Part 11. Ring expansion of erythromycin A oxime by the Beckmann rearrangement. Chem. Soc. Perkin Trans.: 1881</p>