Erythromycin A oxime

Synonyms

Specifications

CAS # : 111321-02-9
Molecular Formula : C_{37}H_{67}NO_{14}
Molecular Weight : 749.9
Source : Semi-synthetic
Appearance : White solid
Purity : >98% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Erythromycin A 9-oxime is a semi-synthetic analogue of erythromycin prepared as means of overcoming acid lability and improving oral absorption of erythromycin A while retaining comparable antibacterial and 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).

References