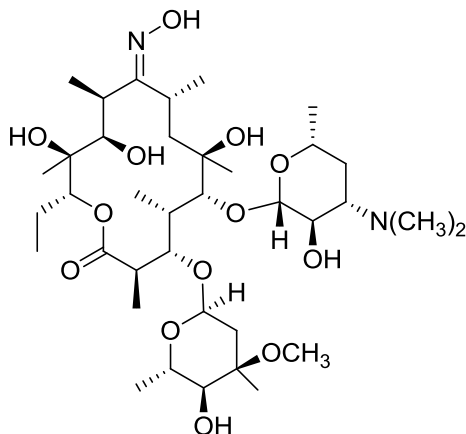


## Erythromycin A oxime

Code No.: **BIA-E1381**

Pack sizes: **5 mg, 25 mg**



Synonyms :

### Specifications

CAS #	: 111321-02-9
Molecular Formula	: C <sub>37</sub> H <sub>67</sub> NO <sub>14</sub>
Molecular Weight	: 749.9
Source	: <b>Semi-synthetic</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;98% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</b>

### 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 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

1. New ether oxime derivative of erythromycin A structure-activity relationship study. Gasc J-C. et al. J. Antibiot. 1994, 44, 313.
2. Erythromycin series. Part 11. Ring expansion of erythromycin A oxime by the Beckmann rearrangement. Djokic S. J. Chem. Soc. Perkin Trans. 1986, 1, 1881.

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