



# Erythromycin impurity B, EvoPure® PRODUCT DATA SHEET

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**Product Name:** Erythromycin impurity B, EvoPure®

**Product Number:** D027

**CAS Number:** 992-62-1

**Molecular Formula:**  $C_{36}H_{65}NO_{13}$

**Molecular Weight:** 719.90

**Storage Conditions:** -20°C

**Description:** Erythromycin impurity B, EvoPure® (N-demethylerythromycin A) is an impurity found in Erythromycin and can be used as a reference standard. Erythromycin is composed of Erythromycin A, B, C, D, and additional impurities.

For other Erythromycin products, [click here](#).

**Mechanism of Action:** Macrolide antibiotics inhibit bacterial growth by targeting the 50S ribosomal subunit of the 70S ribosome preventing aminoacyl translocation of the A-site to P-side and peptide bond formation during protein synthesis. Resistance to Erythromycin is commonly attributed to mutations in 50S rRNA preventing erythromycin binding allowing the cell to synthesize proteins free of error.

**Technical Data:** HPLC, NMR, FTIR, and MS analysis may be available. For more info, please email [info@toku-e.com](mailto:info@toku-e.com).

If you need any help, contact us: [info@toku-e.com](mailto:info@toku-e.com). Find more information on: [www.toku-e.com/](http://www.toku-e.com/)