Product Name: Erythromycylamine

Product Number: E057

CAS Number: 26116-56-3

Molecular Formula: C_{37}H_{70}N_{2}O_{12}

Molecular Weight: 735.0

Appearance: White solid

Storage Conditions: -20°C

Description: Erythromycylamine is a semi-synthetic analogue of erythromycin prepared by reduction of erythromycin oxime. Erythromycylamine is a potent antibiotic, however the introduction of the amino-moiety increases the compound's polarity and is disadvantageous for in vivo use. This limitation was overcome by the synthesis of dirithromycin, a Schiff base pro-drug that dissociates in vivo to erythromycylamine.

Erythromycylamine is soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

References:

