Erythromycylamine

Synonyms: 9(S) Erythromycylamin A, BRL 42852ER, LY 024410

Specifications
CAS #: 26116-56-3
Molecular Formula: C_{37}H_{70}N_{2}O_{12}
Molecular Weight: 735.0
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
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, making it 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.

References