



Formula: C₄₃H₇₅NO₁₆

MW: 862.07

CAS: 1264-62-6

TNP NUMBER: TNP00605

MDL NUMBER: MFCD03191400

IUPAC: 4-(dimethylamino)-2-[9-ethyl-2,7,8-trihydroxy-13-(5-hydroxy-4-methoxy-4,6-dimethyl(2H-3,4,5,6-tetrahydropyran-2-yl)oxy))-2,4,6,8,12,14-hexamethyl-5,11-dioxo-10-oxacyclotetradecyloxy]-6-methyl(2H-3,4,5,6-tetrahydropyran-3-yl) ethyl butane-1,4-dioate

Smiles:

O(C(CCC(OCC)=O)=O)C1C(OC2C(C)C(OC3CC(OC)(C)C(C(O3)C)O)C(C)C(=O)OC(CC)C(C(C(C(C(CC2(C)O)C)=O)C)O)(C)O)OC(CC1N(C)C)C

Used to treat sexually transmitted diseases such as gonorrhoea and chlamydia; non-genital Chlamydial infections such as trachoma or conjunctivitis; prevents tetanus in people as well.

THERAPEUTIC CATEGORY: Antibacterial

ACCEPTORS: 16

DONORS: 4

ROTATION BONDS: 17

N+O: 17

Chiral Centers: 18

LogP: 2.71

LogS: -6.61

LIPINSKI: 2

Synonyms: ERYTHROMYCIN 2'-(ETHYL BUTANEDIOATE);ERYTHROMYCIN 2'-(ETHYL SUCCINATE);ERYTHROMYCIN ETHYLSUCCINATE;erythrocinethylsuccinate;erythromycin,mono(ethylsuccinate);erythromycin, mono(ethylsuccinate)(ester);erythroped;succinicacid,monoethylester,monoesterwitherythromycin

CAS:1264-62-6

MF:C43H75NO16

MW:862.05

EINECS:215-033-8

Product Categories:Organics;Interferes with Protein SynthesisAntibiotics;A - KAntibiotics;Antibacterial;Antibiotics A to;Antibiotics A-FAntibiotics;Chemical Structure Class;Macrolides;Mechanism of Action;Spectrum of Activity Erythromycin ethylsuccinate

Chemical Properties: mp 219-224 C Xn,Xi Risk Statements 42/43-36/37/38 Safety Statements 36-26 WGK Germany 2 RTECS WM9800000 Hazardous Substances Data1264-62-6(Hazardous Substances Data) Erythromycin ethylsuccinate Erythromycin ethylsuccinate

Usage And Synthesis: Erythromycin ethylsuccinate

