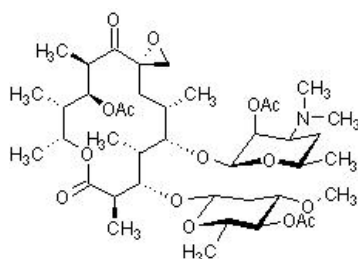


Product datasheet

Troleandomycin, Cytochrome P450 3A4 inhibitor.
ab141568

Overview

Product name	Troleandomycin, Cytochrome P450 3A4 inhibitor.
Description	Macrolide antibiotic. Cytochrome P450 3A4 inhibitor.
Biological description	Macrolide antibiotic. Cytochrome P450 3A4 inhibitor. Inhibits NO release from Glycerol trinitrate (GTN). Anti-asthmatic activity <i>in vivo</i> .
Purity	> 98%
CAS Number	2751-09-9
Chemical structure	



Properties

Chemical name	[(3 <i>R</i> ,5 <i>S</i> ,6 <i>S</i> ,7 <i>R</i> ,8 <i>S</i> ,9 <i>R</i> ,12 <i>R</i> ,13 <i>S</i> ,14 <i>R</i> ,15 <i>R</i>)-6-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,6 <i>R</i>)-3-Acetyloxy-4-(dimethylamino)-6-methyloxan-2-yl]oxy-8-[(2 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>S</i>)-5-acetyloxy-4-methoxy-6-methyloxan-2-yl]oxy-5,7,9,12,13,15-hexamethyl-10,16-dioxo-1,11-dioxaspiro[2.13]hexadecan-14-yl] acetate
Molecular weight	814.00
Molecular formula	C ₄₁ H ₆₇ NO ₁₅
PubChem identifier	17675
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 50 mM and in ethanol to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES	<chem>CC1CC(C(C(O1)OC2C(CC3(CO3)C(=O)C(C(C(C(OC(=O)C(C(C2C)OC4CC(C(C(O4)C)OC(=O)C)OC)C)C)OC(=O)C)C)OC(=O)C)C)OC(=O)C)N(C)C</chem>
Source	Synthetic

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