

# Certificate of Analysis

## General information of the substance

**Product name:** Azithromycin

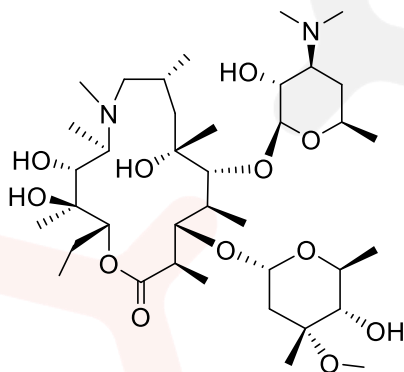
**CAS:** 83905-01-5

**IUPAC name:** (2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-11-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy-2-ethyl-3,4,10-trihydroxy-13-[(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyloxan-2-yl]oxy-3,5,6,8,10,12,14-heptamethyl-1-oxa-6-azacyclopentadecan-15-one

**Cat. No.:** SA909973

## Physical and chemical properties

**Chemical Structure:**



**Molecular Formula:** C<sub>38</sub>H<sub>72</sub>N<sub>2</sub>O<sub>12</sub>

**Molecular Weight:** 749.00 g/mol

**Storage:** 6-8 °C

**Appearance:** White powder

## Analytical data

**<sup>1</sup>H NMR spectrum:** Confirms the structure

**Purity (LC-MS):** 98 %

All the compounds synthesized by Santiago Lab are in excellent purity and are in agreement with our internal standard.