

## Product Information

### Compound Name

Tacrolimus Monohydrate

### Synonyms

(1R,9S,12S,13S,14R,17R,18E,21S,23S,24R,25S,27R)-1,14-dihydroxy-12-{1-[(1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl]prop-1-en-2-yl}-23,25-dimethoxy-13,19,21,27-tetramethyl-17-(prop-2-en-1-yl)-11,28-dioxo-4-azatricyclo[22.3.1.0<sup>4,9</sup>]octacos-18-ene-2,3,10,16-tetrone hydrate

### Chemical Formula

C<sub>44</sub>H<sub>69</sub>O<sub>12</sub>N•H<sub>2</sub>O

### Molecular Weight

822.05

### Catalogue Number

T0018.19

### Lot No.

YMT-194-16

### Long-Term Storage Conditions

2-8°C

### Shipping Conditions

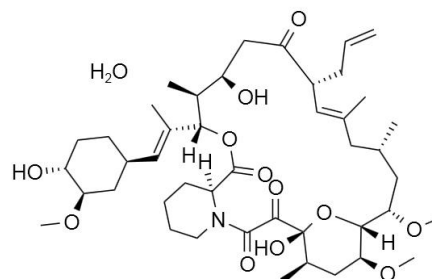
Ambient

### Appearance

Off-white Solid

**Test Date:** May. 13, 2024

**Re-test Date:** May. 12, 2027



**CAS No. :** 109581-93-3

## Analytical Information

### Solubility

CH<sub>3</sub>CN

### Weight Loss by TGA

1.69%

### Method for Determining Identity

MS, <sup>1</sup>H NMR (DMSO-d<sub>6</sub>)

### Purity (HPLC)

98.20%

### Potency

96.54%

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CERTIFICATE OF ANALYSIS