

## FK-506

Cat. No. CEI-0540

Lot. No. (See product label)

### Introduction

#### Description

A potent immunosuppressant and in vitro T cell proliferation blocker. It disrupts calcineurin-mediated signal transduction in T-lymphocytes. It interacts with its FK506-binding protein-12 (FKBP-12), leading to increase in the release of sarcoplasmic reticulum-derived calcium. FK506 and rapamycin, but not cyclosporin inhibit aldosterone-stimulated sodium transport in A6 cells.

#### Synonyms

Tacrolimus

### Product Information

#### Appearance

White solid

#### CAS No.

104987-11-3

#### Molecular Formula

C<sub>44</sub>H<sub>69</sub>NO<sub>12</sub>

#### Chemical Name

Tacrolimus

#### Molecular Weight

805

#### Purity

>98%

#### Targets

immunosuppressant

#### Solubility

DMSO (>1 mg/ml) and EtOH (>1 mg/ml)

### Storage and Shipping Information

#### Storage

-20 centigrade

#### Shipping Conditions

Gel pack