

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 cytosporin inhibit aldosterone-stimulated sodium transport in A6 cells.

Synonyms Tacrolimus

Product Information

Appearance White solid

CAS No. 104987-11-3

Molecular Formula C₄₄H₆₉NO₁₂

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