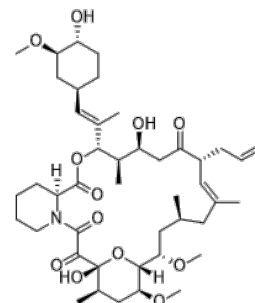


**Product Name** : Tacrolimus  
**Cat. No.** : PC-22184  
**CAS No.** : 104987-11-3  
**Molecular Formula** : C<sub>44</sub>H<sub>69</sub>NO<sub>12</sub>  
**Molecular Weight** : 804.03  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Tacrolimus (FK506) is a macrocyclic lactone that binds to FK506 binding protein (FKBP) to form a complex, inhibits calcineurin phosphatase, which inhibits T-lymphocyte signal transduction and IL-2 transcription, shows immunosuppressive properties.

## References

- Tocci MJ, et al. J Immunol. 1989 Jul 15;143(2):718-26.  
Standaert RF, et al. Nature. 1990 Aug 16;346(6285):671-4.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com