Ascomycin is an ethyl analog of FK506 that was initially produced by species of Streptomyces. Ascomycin binds FK506 binding protein 12 and the resulting complex inhibits calcineurin/protein phosphatase 2B (PP2B), altering peptidyl-prolyl isomerase activity of the enzyme. Ascomycin exhibits immunosuppressive, anti-inflammatory, and anticonvulsant activities. Clinically, ascomycin is used to treat organ transplant rejection and inflammatory skin diseases.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.