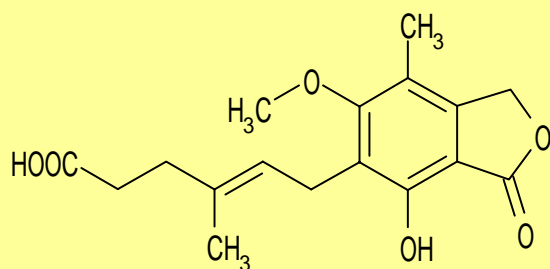


Mycophenolic Acid

Cat.# BLK0690

Structure



Origin: *Penicillium brevi-compactum* strain FKI-244

CAS Registry Number: 24280-93-1

CA Index Name: 6-(4-Hydroxy-6-methoxy-7-methyl-3-oxo-5-phthalanyl)-4-methyl-4-hexanoic Acid

Appearance: white - off-white solid

Molecular Formula/ Weight: C₁₇H₂₀O₆=320.3

Melting Point: 141-143 **Purity:** >95% by HPLC

Solubility: Sol. In MeOH Insol. In water

Background Information:

Immunosuppressive agent that inhibits de novo purine nucleotide synthesis via inhibition of inosine-5'-monophosphate (IMP). Prevents the formation of xanthosine-5'-monophosphate (XMP) and guanosine-5'-monophosphate (GMP). Depletes tetrahydrobiopterin and decreases nitric oxide (NO) production by iNOS (NOS II) without affecting nNOS (NOS I) activity. Suppresses cytokine-induced nitric oxide (NO) production in mouse and rat vascular endothelial cells.

Handling and Storage:

Store at -20 .

References: