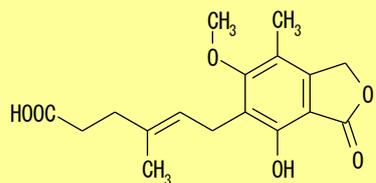


Mycophenolic Acid

Cat.# BLK0690

Structure



Mycophenolic Acid

Origin: *Penicillium brevi-compactum* strain FKI-242**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°C **Purity:** >95% by HPLC**Solubility:** Sol. In MeOH Insol. In water**pKa:****log P:**

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°C.

References: