

Catalog # 10-2087

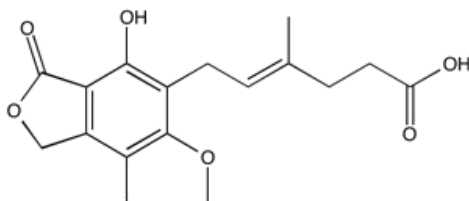
Mycophenolic acid

CAS# 24280-93-1

NSC129185

6-(4-Hydroxy-6-methoxy-7-methyl-3-oxo-5-phthalanyl)-4-methyl-4-hexanoic acid

Lot # X102139



Immunomodulator¹. Blocks the biosynthesis of guanine nucleotides via inhibition of inosine 5'-monophosphate dehydrogenase which suppresses the production of proinflammatory cytokines, nitric oxide and LDH in macrophages^{2,3}. Inhibits IL-2 -dependent T cell proliferation⁴.

- 1) Eugui *et al.* (1991), *Lymphocyte-selective cyostatic and immunosuppressive effects of mycophenolic acid in vitro: role of deoxyguanosine nucleotide depletion*; Scand. J. Immunol., **33** 161
- 2) Jonsson *et al.* (2002), *Mycophenolic acid inhibits inosine 5'-monophosphate dehydrogenase and suppresses production of pro-inflammatory cytokines, nitric oxide and LDH in macrophages*; Cell. Immunol., **216** 93
- 3) Allison *et al.* (1993), *Mechanisms of action of mycophenolic acid*; Ann. NY Acad. Sci., **696** 63
- 4) Quemeneur *et al.* (2002), *Mycophenolic acid inhibits IL-2-dependent T cell proliferation, but not IL-2-dependent survival and sensitization to apoptosis*; J. Immunol., **169** 2747

PHYSICAL DATA

Molecular Weight:	320.35
Molecular Formula:	C ₁₇ H ₂₀ O ₆
Purity:	98% by TLC NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml) or Ethanol (up to 30 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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