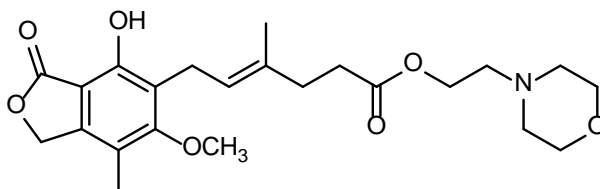


Product Name: Mycophenolate mofetil

CAS 128794-94-5

6-(1,3-Dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic acid 2-(4-morpholinyl)ethyl ester

Catalog #: N-2086



Physical Properties: White powder

MW=433.5 C₂₃H₃₁NO₇

Analysis: >98% (TLC); NMR (Conforms)

Solubilization: May be dissolved in DMSO (40 mg/ml); or ethanol (4 mg/ml)

Storage: Store desiccated as supplied at ambient temperature for up to 2 years. Store solutions at -20°C for up to one month.

Pharmacology: A mycophenolic acid prodrug. Immunosuppressive agent useful in prevention of organ allograft rejection¹. Is metabolized to mycophenolic acid *in vivo* which acts by inhibiting the biosynthesis of guanine nucleotides via inhibition of inosine 5'-monophosphate dehydrogenase, suppressing the production of proinflammatory cytokines, nitric oxide and LDH in macrophages^{2,3}. IL-2-dependent T cell proliferation is also inhibited⁴. Inhibits microglial and astrocytic activation reducing cell death after neuronal injury⁵. Active *in vivo*.

References:

1. AC Allison and EM Eugui *Clin. Transplant.* 1996 10:77
2. CA Jonsson *et al. Cell. Immunol.* 2002 216:93
3. AC Allison *et al. Ann. NY Acad. Sci.* 1993 696:63
4. J Quemeneur *et al. J. Immunol.* 2002 169:2747
5. F Ebrahimi *et al. J. Neuroinflammation* 2012 9:89

Not for human therapeutic use or for medicinal purposes. For research applications only.

www.rpeptide.com

1050 Barber Creek • Bldg 300 • Suite 103 • Watkinsville • Georgia • 30677 • USA
Tel 678-753-0747 • Fax 678-753-0746 • E-mail info@rpeptide.com