

DATA SHEET

Product Name: Mycophenolic acid

Catalog #: CV-1016

Alt: CAS # 24280-93-1; 6-(4-Hydroxy-6-methoxy-7-methyl-3-oxo-5-phthalanyl)-4-methyl-4-hexanoic acid; NSC129185

Molecular Mass: 320.3

Analysis: >98% (HPLC); NMR (conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (30 mg/ml); or ethanol (30 mg/ml)

Storage: Store desiccated as supplied at room temperature for 2 years. Store solutions at -20°C for up to 3 months.

Description: 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.

References:

1. Eugui, E.M., et al., (1991) Scand. J. Immunol., 33: 161
2. Jonsson, C.A., et al., (2002) Cell. Immunol., 216: 93
3. Allison, A.C., et al., (1993) Ann. NY Acad. Sci., 696: 63
4. Quemeneur, J., et al., (2002) J. Immunol., 169: 2747

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