



Product Information

Product ID M964098

CAS No. 128794-94-5

Chemical Name

Synonym TM-MMF, RS61443; RS-61443

Formula $C_{23}H_{31}NO_7$

Formula Wt. 433.50

Melting Point

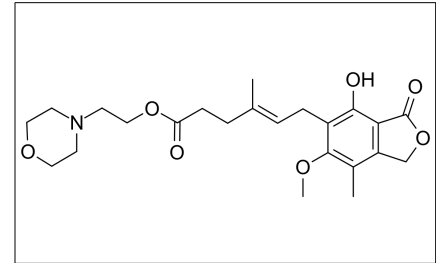
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Mycophenolate mofetil is a prodrug of the compound mycophenolic acid which depletes activated B and T lymphocytes. Mycophenolate mofetil has previously been used in preventing organ transplant rejection and has also been shown to attenuate lupus erythematosus and prolong life in a mouse model of autoimmune disease. Studies have also shown that treatment of a mouse model of Crohn's disease with mycophenolate mofetil results in deactivation of the inflammatory response, improvement of histologic changes, and regulation of cytokine production by modulating of Th1/Th2 cell differentiation. In a diabetic mouse model, mycophenolate mofetil treatment was found to attenuate diabetic nephropathy independent of glycemic control.



Bulk quantities available upon request

Product ID	Size
M964098	50 mg
M964098	100 mg
M964098	250 mg
M964098	500 mg

References Lee HK, Kim KH, Kim HS, et al. Effect of a combination of prednisone or mycophenolate mofetil and mesenchymal stem cells on lupus symptoms in MLR. *Fas^{pr}* mice. *Stem Cells Int.* 2018 Jul 3;2018:4273107. PMID: 30057623.

Taylor EB, Ryan MJ. Immunosuppression with mycophenolate mofetil attenuates hypertension in an experimental model of autoimmune disease. *J Am Heart Assoc.* 2017 Feb 27;6(3):pii:e005394. PMID: 28242635.

Lv QK, Liu JX, Li SN, et al. Mycophenolate mofetil modulates differentiation of Th1/Th2 and the secretion of cytokines in an active Crohn's disease mouse model. *Int J Mol Sci.* 2015 Nov 6;16(11):26654-26666. PMID: 26561804.

Seo JW, Kim YG, Lee SH, et al. Mycophenolate mofetil ameliorates diabetic nephropathy in db/db mice. *Biomed Res Int.* 2015;2015:310627. PMID: 26345532.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.