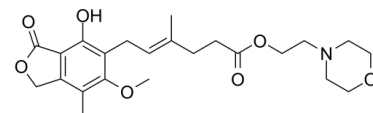


## Data Sheet

<b>Product Name:</b>	Mycophenolate Mofetil
<b>Cat. No.:</b>	CS-2135
<b>CAS No.:</b>	128794-94-5
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>31</sub> NO <sub>7</sub>
<b>Molecular Weight:</b>	433.49
<b>Target:</b>	Apoptosis
<b>Pathway:</b>	Apoptosis
<b>Solubility:</b>	DMSO : 100 mg/mL (230.69 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

Mycophenolate Mofetil is an immunosuppressant, a non-competitive, selective and reversible inhibitor of **inosine monophosphate dehydrogenase (IMPDH)** with **IC<sub>50</sub>s** of 39 nM and 27 nM, respectively.

### References:

- [1]. Nakanishi, T., et al., Effect of the inosine 5'-monophosphate dehydrogenase inhibitor BMS-566419 on rat cardiac allograft rejection. *Int Immunopharmacol*, 2010. 10(1): p. 91-7.
- [2]. Dehghani, F., et al., Inhibition of microglial and astrocytic inflammatory responses by the immunosuppressant mycophenolate mofetil. *Neuropathol Appl Neurobiol*, 2010. 36(7): p. 598-611.
- [3]. Ozgen, M., et al., Mycophenolate mofetil and daclizumab targeting T lymphocytes in bleomycin-induced experimental scleroderma. *Clin Exp Dermatol*, 2012. 37(1): p. 48-54.

### CAIndexNames:

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

### SMILES:

O=C(OCCN1CCOCC1)CC/C(C)=C/CC2=C(O)C3=C(COC3=O)C(C)=C2OC

**Caution: Product has not been fully validated for medical applications. For research use only.**

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