

## Mycophenolate mofetil, Immunosuppressant prodrug

Catalog	Unit
TBI2086-50MG	50 mg
TBI2086-250MG	250 mg

### Product Details

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

**Molecular Formula:** C<sub>23</sub>H<sub>31</sub>NO<sub>7</sub>

**Formula Weight:** 433.51

**CAS Number:** 128794-94-5

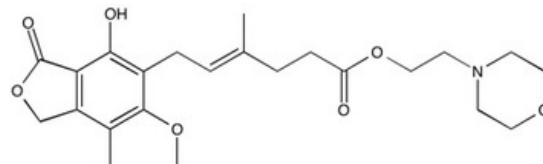
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 4 mg/ml).

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

Immunosuppressant prodrug

### Functions

A mycophenolic acid prodrug. Immunosuppressive agent useful in prevention of organ allograft rejection. 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. IL-2-dependent T cell proliferation is also inhibited. Inhibits microglial and astrocytic activation reducing cell death after neuronal injury. Active in vivo.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Ethanol (up to 4 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

**For research use only.**