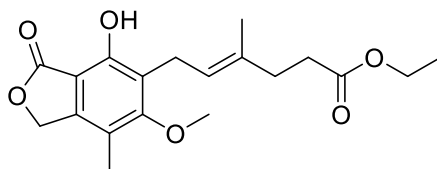


Ethyl mycophenolate

Code No.: **BIA-E2562**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 32483-51-5
Molecular Formula	: C ₁₉ H ₂₄ O ₆
Molecular Weight	: 348.39
Source	: <i>Penicillium sp.</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Ethyl mycophenolate is the ethyl ester of mycophenolic acid produced by *Penicillium brevicompactum* but devoid of the antifungal activity of mycophenolic acid. There are few reports of the biological activity of ethyl mycophenolate, however its analogue mycophenolic acid displays antitumor and immunosuppressant effects, among others. Mycophenolic acid acts by inhibiting inosine monophosphate dehydrogenase, controlling the rate of de novo purine synthesis in proliferating B and T lymphocytes.

References

1. Some new metabolites related to mycophenolic acid. Campbell I.M. et al. *Tetrahed Lett* 1966, 7, 5107.
2. Mycophenolic acid: An anti-cancer compound with unusual properties. Carter S. B. et al., *Nature* 1969, 223, 848.
3. Conformational changes and stabilization of inosine 5'-monophosphate dehydrogenase associated with ligand binding and inhibition by mycophenolic acid. Nimmesgern E. et al., *J. Biol. Chem.* 1996, 271, 19421.