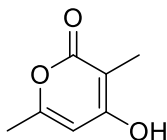


USF 2550A

Code No.: **BIA-U2573**

Pack sizes: **25 mg, 100 mg**



Synonyms : Methyltriacetic lactone, USF 2550A, 4-Hydroxy-3,6-dimethyl-2-pyrone,

Specifications

CAS #	: 5192-62-1
Molecular Formula	: C₇H₈O₃
Molecular Weight	: 140.14
Source	: Unidentified fungus
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

USF 2550A (4-hydroxy-3,6-dimethyl-2H-pyran-2-one) is a metabolite isolated from *Penicillium* sp. and the unidentified fungus USF 2550. US 2550A is an antioxidant and DPPH radical scavenger. USF 2550A demonstrates a new type of DPPH radical scavenging activity which is time-dependent, contrary to α -tocopherol.

References

1. Isolation, structure, and radiochemical synthesis of 3, d-dimethyl-4-hydroxy-2-pyrone. Acker T.E. et al. J Am Chem Soc. 1966, 88, 834.
2. Studies on the 1,1-diphenyl-2-picrylhydrazyl radical scavenging mechanism for a 2-pyrone compound. Abe N. Biosci Biotechnol Biochem. 2000, 64, 306.