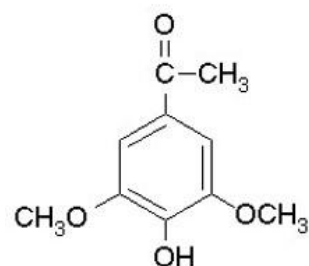


Product Information Sheet



A1104 Acetosyringone 100 mM Solution

Synonym: 4-Hydroxy-3',5'-dimethoxyacetophenone
 CAS: 2478-38-8
 Formula: C₁₀H₁₂O₄
 Molecular Wt: 196.20

Properties

Form: Liquid
 Appearance: Off-white to Tan
 Application: Molecular Biology
 Solubility: Miscible in Water
 Typical Working Concentration: 50 µM to 200 µM
 Storage Temp: -20 to 0°C
 Storage Temp of Stock Solution: N/A
 Other Notes: Plant Tissue Culture Tested

Application Notes

This material is sensitive to temperature and should be added after autoclaved media has cooled slightly.

Acetosyringone is a naturally occurring compound secreted from wounded plant tissues. It is used to increase the rate of transformation when used at 50 µM to 200 µM. (Sheikholeslam & Weeks, 1987).

References

Sheikholeslam, SN & DP Weeks. 1987. Acetosyringone promotes high efficiency transformation of *Arabidopsis thaliana* explants by *Agrobacterium tumefaciens*. Plant Molecular Biology 8:291-298.

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