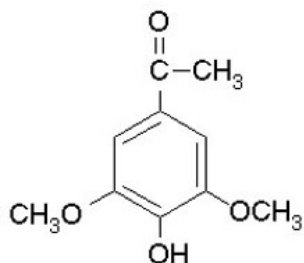




## Product Information Sheet

### A104 Acetosyringone



Synonym: 4-Hydroxy-3',5'-dimethoxyacetophenone  
CAS: 2478-38-8  
Formula: C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>  
Molecular Wt: 196.20

#### Properties

Form: Powder  
Appearance: Off-white to Tan  
Application: Molecular Biology  
Solubility: DMSO  
Typical Working Concentration: 50 µM to 200 µM  
Storage Temp: Room Temperature  
Storage Temp of Stock Solution: 0 to -20  
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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**PhytoTechnology Laboratories®**

P.O. Box 12205 • Shawnee Mission, KS • 66282-2205

Phone: 1-913-341-5343 or 1-888-749-8682 (U.S. Only) Fax: 1-913-341-5442 or 1-888-449-8682 (U.S. Only)

Web Site: [www.phytotechlab.com](http://www.phytotechlab.com)

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