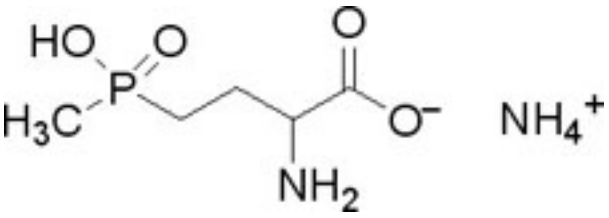
Product Information Sheet



G523
DL-Phosphinothricin Solution, Monoammonium Salt

Synonym:	PPT; 2-Amino-4-(hydroxymethylphosphinyl)butanoic Acid, Monoammonium Salt
CAS:	77182-82-2
Formula:	$C_5H_{15}N_2O_4P$
Molecular Wt:	198.19

Properties

Form:	Aqueous Solution
Appearance:	Clear, Colorless Liquid
Application:	Molecular Biology
Solubility:	Miscible with Water, Media, Other Aqueous Solutions
Typical Working Concentration:	0.5 to 400 µg/mL – See Application Notes Below
Storage Temp:	Room Temperature
Storage Temp of Stock Solution:	2 – 6° C; See Product No. G523
Other Notes:	

Application Notes

0.5 µg/mL stimulated somatic embryo formation in *Vitis* interspecific hybrid[1]
50 µg/mL – 400 µg/mL used in transformation of *Magnaporthe grisea*[2]

References

Merck **13**, 7425
[1] Hebert-Soule D, Kikkert JR, Reisch BI, 1995. Phosphinothricin stimulates somatic embryogenesis in grape (Vitis sp. L.), Plant Cell Reports 14(6):380-384.
[2] Leung H, Loomis P, Pall ML(1) - Department of Plant Pathology, (1)Department of Genetics and Cell Biology, Washington State University, Pullman, WA 99164-6430. Transformation of *Magnaporthe grisea* to phosphinothricin resistance using the bar gene from *Streptomyces hygroscopicus*. http://www.fgsc.net/fgn42/leung.html.

Revised 4/2009

_Phyto_Technology 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
© 2009 *Phyto*Technology Laboratories®