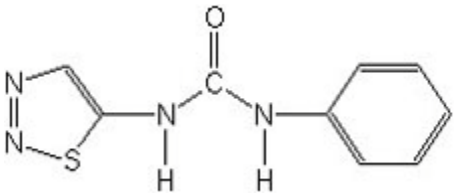
Product Information Sheet



T888

Thidiazuron

Synonym:	1-Phenyl-3-(1,2,3-thiadiazol-5-yl)urea; TDZ Active ingredient in Dropp®
CAS:	51707-55-2
Formula:	$C_9H_8N_4OS$
Molecular Wt:	220.3

Properties

Form:	Powder
Appearance:	White to Off-white Powder
Application:	Cytokinin
Solubility:	DMSO, 1 N NaOH/KOH (See Application Note below)
Typical Working Concentration:	
Storage Temp:	-20 to 0° C
Storage Temp of Stock Solution:	-20 to 0° C
Other Notes:	Plant Tissue Culture Tested

Application Notes

Please Note: While *Phyto*Technology Laboratories™ tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

This product is also used as a cotton defoliant.

A note on the TC Listserv indicates that a 10 mM stock solution can be prepared by dissolving 22 mg of TDZ in a few drops of 1 N NaOH (or KOH) with vortexing. Bringing the volume up to 10 mL will produce a 10 mM solution. This protocol has not been confirmed by PhytoTech Labs.

References

Merck **13**, 9384

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