



中科瑞泰（北京）生物科技有限公司

Tel: 400-699-0631

http:// [www.real-tims.com.cn](http://www.real-tims.com.cn)

E-mail: [real-times@163.com](mailto:real-times@163.com)

## TDZ Solution (Thidiazuron solution)

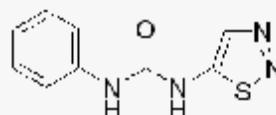
### 噻苯隆溶液 1mg/ml

#### ● 产品包装:

产品编号	产品名称	产品包装	说明书
RT0112S	噻苯隆溶液(1mg/ml)	5×1ml	1份

Thidiazuron

C<sub>9</sub>H<sub>8</sub>N<sub>4</sub>OS MW220.25 CAS: 51707-55-2



#### ● Storage: -20°C

#### ● Specifications:

Soluble.....1 mg/ml ( 4.5 mM) in KOH solution

Appearance.....light brown or tan-colored clear solution

#### ● Introduction:

Thidiazuron (TDZ) is among the most active cytokinin-like substances for woody plant tissue culture. It facilitates efficient micropropagation of many recalcitrant woody species. Low concentrations (<1 μM) can induce greater axillary proliferation than many other cytokinins; however, TDZ may inhibit shoot elongation. In some cases it is necessary to transfer shoots to an elongation medium containing a lower level of TDZ and/or a less active cytokinin. At concentrations higher than 1 μM, TDZ can stimulate the formation of callus, adventitious shoots or somatic embryos. Subsequent rooting of microshoots may be unaffected or slightly inhibited by prior exposure to TDZ. The main undesirable side effect of TDZ is that cultures of some species occasionally form fasciated shoots. The high cytokinin activity and positive response of woody species to TDZ have established it as among the most active cytokinins for in vitro manipulation of many woody species.

#### ● Reference:

Thidiazuron: a potent cytokinin for woody plant tissue culture. *Plant Cell, Tissue and Organ Culture* 1993, 33, 2, pp 105–119

注：本制品仅供科研用。请勿用于人体及动物的医疗、临床诊断或作为食品、化妆品、家庭用品的添加剂等用途。

中科瑞泰(北京)生物科技有限公司 电话:400-699-0631 E-mail:[real-times@vip.163.com](mailto:real-times@vip.163.com) <http://www.real-times.com.cn>