

Product Name:	Thidiazuron
Product Number:	T052
CAS Number:	51707-55-2
Molecular Formula:	C ₉ H ₈ N ₄ OS
Molecular Weight:	220.25
Form:	Powder
Appearance:	White to light yellow powder
Water Content (Karl Fischer):	≤0.5%
pH:	4.0-7.0
Storage Conditions:	2-8°C
Description:	Thidiazuron is a cytokinin-like plant hormone routinely used to promote plant tissue regeneration.
Plant Biology Applications	Thidiazuron shows cytokinin-like characteristics with the most potent effect out of nine other cytokinin-like compounds. Thidiazuron has since then been the focus of many studies in plant cell tissue culture and seems to be a powerful regulator of various morphogenic processes. Thidiazuron use can induce callus formation, somatic embryos, adventitious shoot formation, and axillary shoot proliferation (Schulze, 2007).
References:	Schulze J., Improvements in Cereal Tissue Culture by Thidiazuron: A Review, Fruit, Vegetable and Cereal Science and Biotechnology, Vol. 1(2), pp. 64-79, 2007.