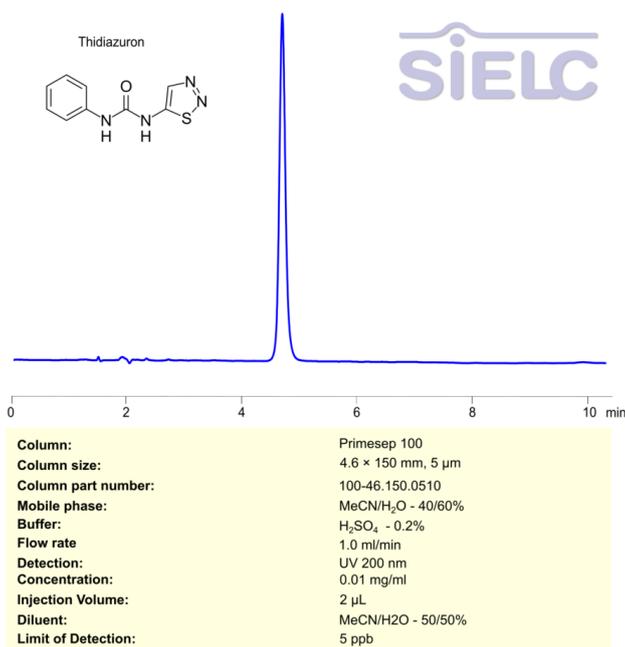


HPLC Method for Analysis of Thidiazuron on Primesep 100 Column



Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

A phenylurea derivative that acts as a cytokinin-like compound. Widely used in plant tissue culture to promote shoot regeneration and induce cytokinin-like effects.

Thidiazuron can be retained, separated and analyzed using a Primesep 100 mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase comprising water, acetonitrile (MeCN), and sulfuric acid as a buffer. This method allows for detection using UV 200 nm.

You can find detailed UV spectra of Thidiazuron and information about its various lambda maxima by visiting the following link .

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 40%
Buffer	H ₂ SO ₄ -0.1%
Flow Rate	1.0 mL/min
Detection	UV 201 nm
Sample	0.01 mg/ml

Quelle: <https://sielc.com/hplc-method-thidiazuron>