

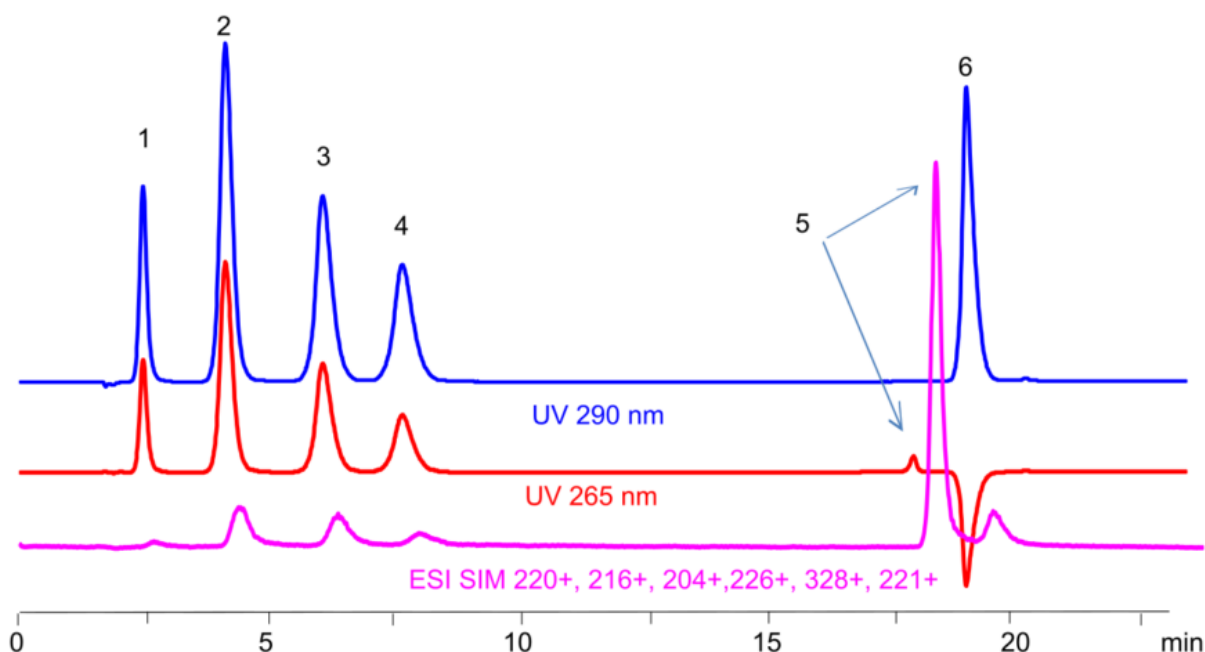
HPLC MS Method for the Analysis of Cytokinins: A Phytohormone Class and Brassinazole on Primesep 200 Column

<https://sielc.com/hplc-ms-method-cytokinins>

Chromatogram

1. trans-Zeatin
2. Kinetin
3. N6-(Δ^2 -Isopentenyl)adenine
4. N6-Benzyladenine
5. Brassinazole
6. Thidiazuron

siELC



Column:	Primesep 200
Column size:	2.1 × 100 mm, 5 µm
Column part number:	200-21.100.0510
Mobile phase:	MeCN – 20%, 4 min then Gradient MeCN/H ₂ O – 20-90% 16 min
Buffer:	Formic Acid - 0.2%
Flow rate	0.2 ml/min
Detection:	UV 290 nm, 265 nm ESI SIM 220+, 216+, 204+, 226+, 328+, 221+
Concentration:	0.1 mg/ml
Injection Volume:	10 µL
Diluent:	MeCN/H ₂ O - 50/50%

Description

· Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

HPLC Method for Analysis of trans-Zeatin , Kinetin , N6-(Δ^2 -Isopentenyl)adenine , Thidiazuron , 6-Benzylaminopurine , Brassinazole on Primesep 200 Column

It looks like you're listing a series of compounds, most of which are cytokinins or related plant hormones. Here's a brief overview and classification for the compounds you mentioned:

trans-Zeatin : · Kinetin : · N6-(Δ^2 -Isopentenyl)adenine (iP): · N6-Benzyladenine (BA):

Method Parameters

Mobile Phase	MeCN – 20%, 4 min than Gradient MeCN/H2O – 20-90% 16 min
Buffer	Formic Acid -0.2%
Flow Rate	0.2 mg/ml
Detection	UV 290 nm, 265 nm ESI SIM 220+, 216+, 204+,226+, 328+, 221+
Class of Compounds	Phytohormone
Analyzing Compounds	trans-Zeatin,Kinetin,N6-(Δ^2 -Isopentenyl)adenine,Thidiazuron,6-Benzylaminopurine,Brassina

HPLC Column Used

Primesep 200, 2.1 x 100 mm, 5 μ m, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)