

# Allantoin

## SeQuant® ZIC®-HILIC

### Chromatographic Conditions

Column: SeQuant® ZIC®-HILIC (5 µm, 200 Å) 150x4.6 mm 1.50455.0001  
 Injection: 20 µL  
 Detection: UV at 210 nm. Shimadzu Prominence  
 Cell: 10 µL  
 Flow Rate: 0.5 mL/min.

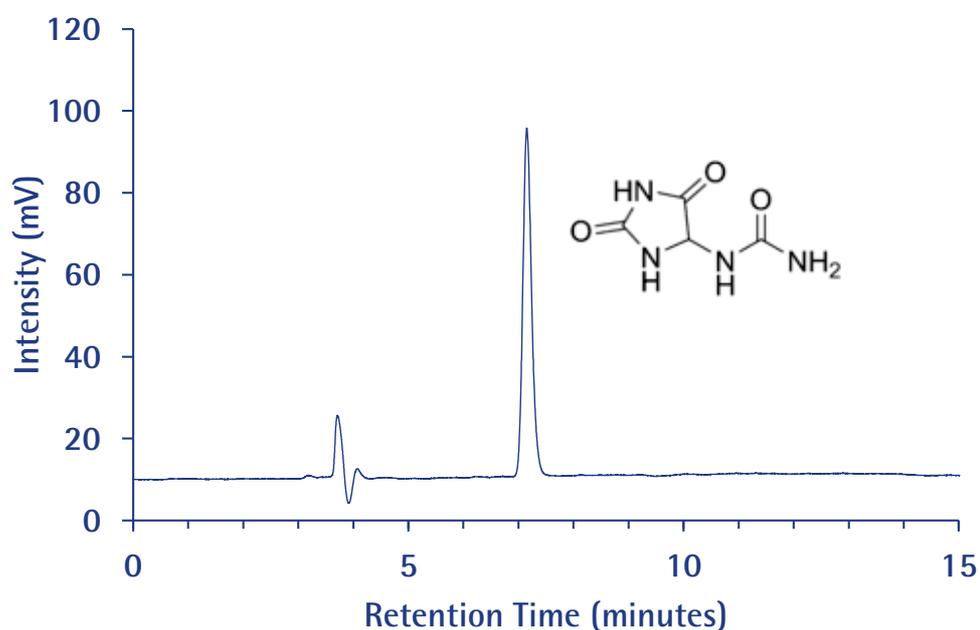
Mobile Phase (v/v): Add 1.0 ml of formic acid in 900 ml water. Mix well and dilute to 1L with water.  
 Mix buffer and acetonitrile 25:75 (v/v)

Temperature: 30 °C

Diluent Mobile phase

Sample: Weigh 30 mg of Allantoin in 100 ml volumetric flask. Dilute up to the mark with mobile phase.  
 Pipette out 5 ml of the above solution and dilute to 50 ml with mobile phase.

Pressure Drop: 16 bar (232 psi)



### Chromatographic Data

No.	Compound	Time (min)	Tailing Factor	Theoretical Plates
	Void volume (t <sub>0</sub> )	4.0	-	-
1	Allantoin	7.2	1.2	9907