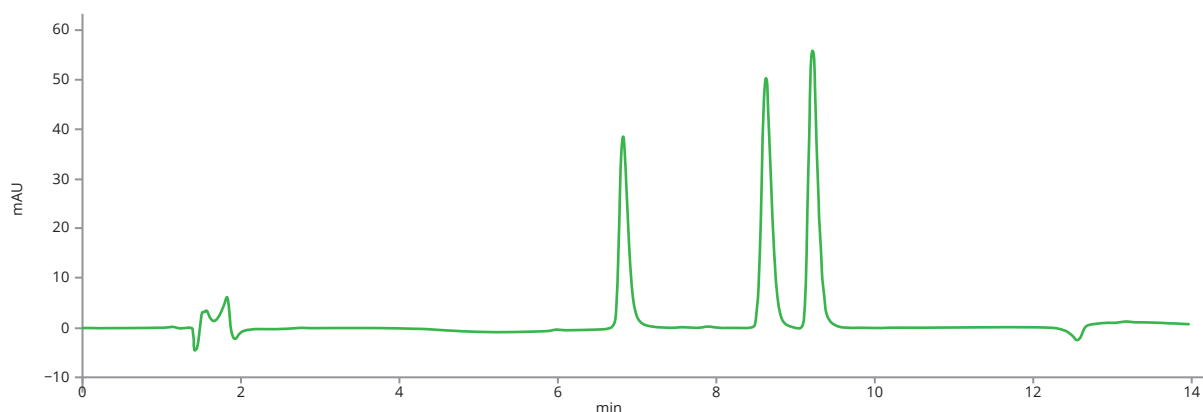


Avenanthramides

Avenanthramides (AVN) are phenolic alkaloids that are found mainly in oats. They are used in various dairy supplements and dermatology products thanks to their anti-inflammatory effects and antioxidant activities.

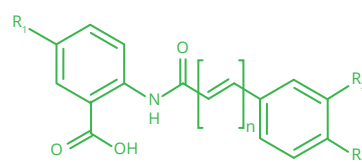
Substance Avenanthramides



Standard mixture on Arion® column

n = 1

Designation	R ₁	R ₂	R ₃
C 2c	OH	OH	OH
A 2p	OH	H	OH
B 2f	OH	OCH ₃	OH



Avenanthramides



Avenanthramides

Column	Arion® Phenyl-Butyl , 3 µm		
Dimensions	150 mm × 2.1 mm		
Part number	ARI-5735-IK21		
Mobile phase	(A) 0.1% HCOOH in H ₂ O (B) 0.1% HCOOH in ACN Gradient* elution		
Gradient elution	Time (min)	%A	%B
	0	85	15
	2	75	25
	5	75	25
	9	70	30
	10	0	100
	14	0	100
Flow rate	0.3 ml/min		
Temperature	30 °C		
Detection	λ = 320 nm; with PDA scan (λ = 210–400 nm)		
Analytes	3 AVN analytes		

* Gradient elution and chromatogram obtained with this gradient elution

This application was developed by University of Ss. Cyril and Methodius in Trnava.