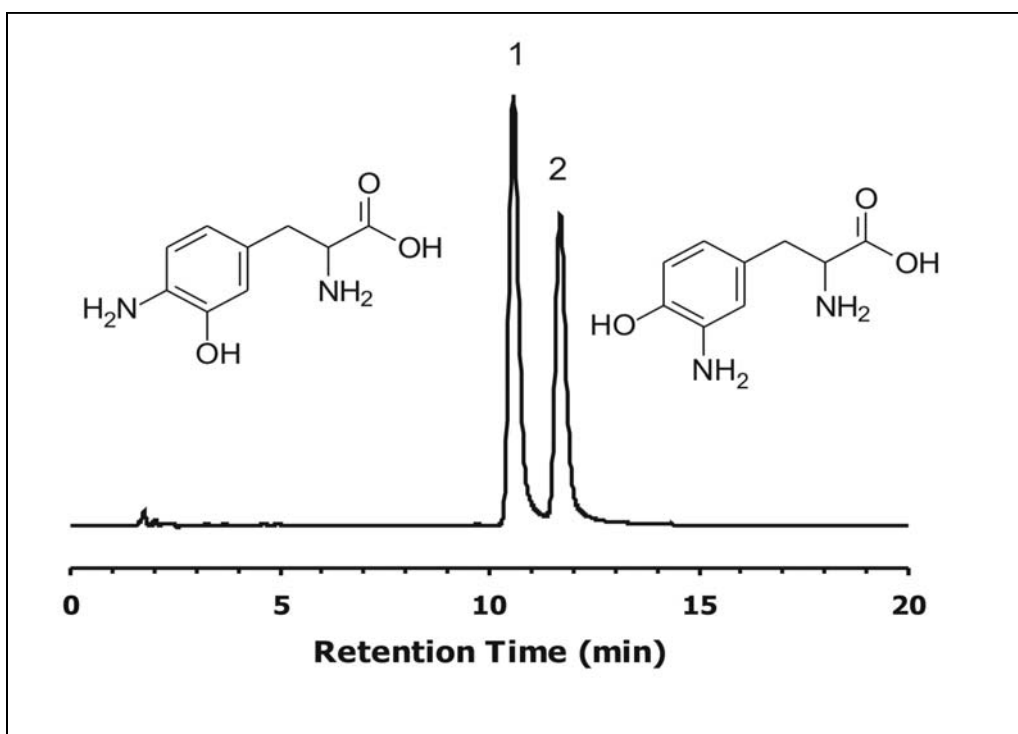


ZIC®-HILIC Separation of 4-AHP and 3-AHP**Chromatographic Conditions**

Column: ZIC®-HILIC, PEEK 150 x 2.1 mm, 3.5 µm, 100 Å (P/N 2701-152)
Injection: 5 µL in mobile phase
Detection: UV @ 254 nm (UFS 1.0 V)
Flow Rate: 0.15 mL/min
Mobile Phase (v/v): 75%, Acetonitrile
25%, Ammonium Acetate 100 mM; pH 6.8 (total ionic strength 25 mM)

**Chromatographic Data**

No.	Compound		Time (min)	Retention factor
	t_0	void volume	2.0	-
1	4-AHP	4-amino-3-hydroxyphenylalanine	10.6	4.3
2	3-AHP	3-amino-L-Tyrosine	11.7	4.8

A ZIC®-HILIC-ECD method for these analytes from melanin pigments can be found at:
[Journal of Chromatography A, 1163 \(2007\) 70-79](#)