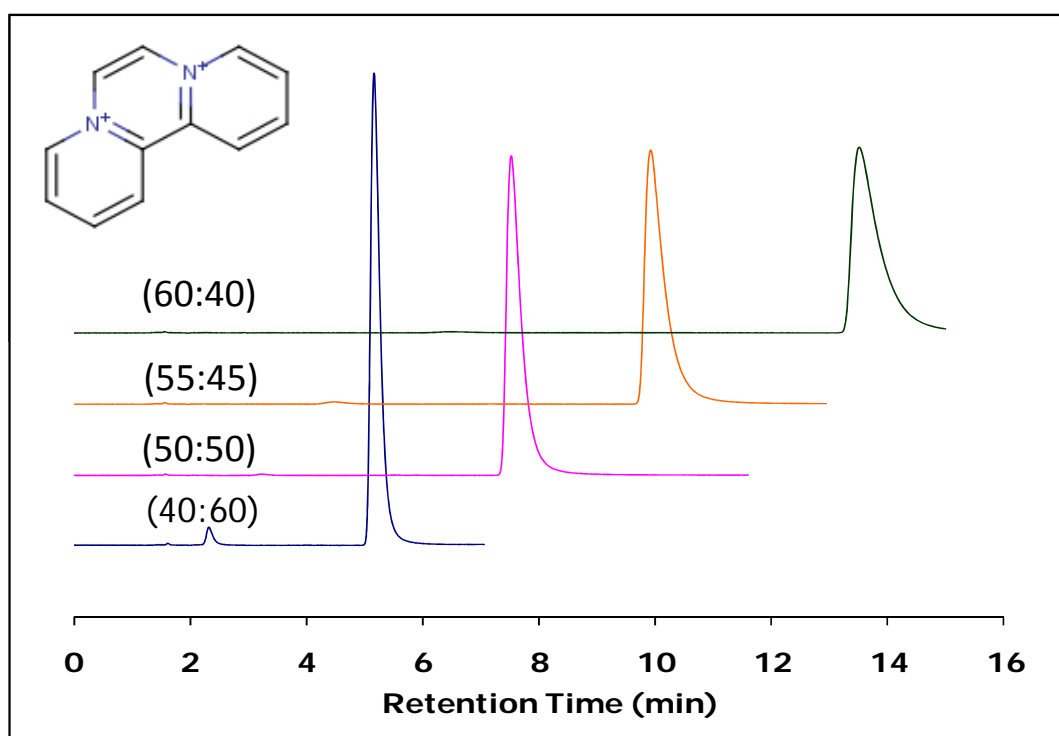


ZIC® -HILIC Separation of Diquat - Mobile Phase Composition

Chromatographic Conditions

Column: ZIC®-HILIC, PEEK 150 x 4.6 mm, 5 µm, 200 Å (P/N 150455)
 Injection: 5 µL of a 50 ppm solution diluted in acetonitril/water (1:1)
 Detection: UV @ 313 nm
 Column Temperature: 40°C
 Flow Rate: 1.0 mL/min
 Mobile Phase (v/v): Acetonitrile/250 mM Ammonium acetate pH3.7 (X:Y)
 (total ionic strength: 100-150 mM)

b



Chromatographic Data

No.	Compound	Ionic Strength (mM)	Time (min)	Retention factor
t_0	void volume		1.5	-
1	Diquat	100	5.1	2.4
2	Diquat	112.5	7.5	4.0
3	Diquat	125	9.9	5.6
4	Diquat	150	13.5	8.0

Data kindly provided by Dr Norikazu Nagae, ChromaNik Technologies Inc., Japan