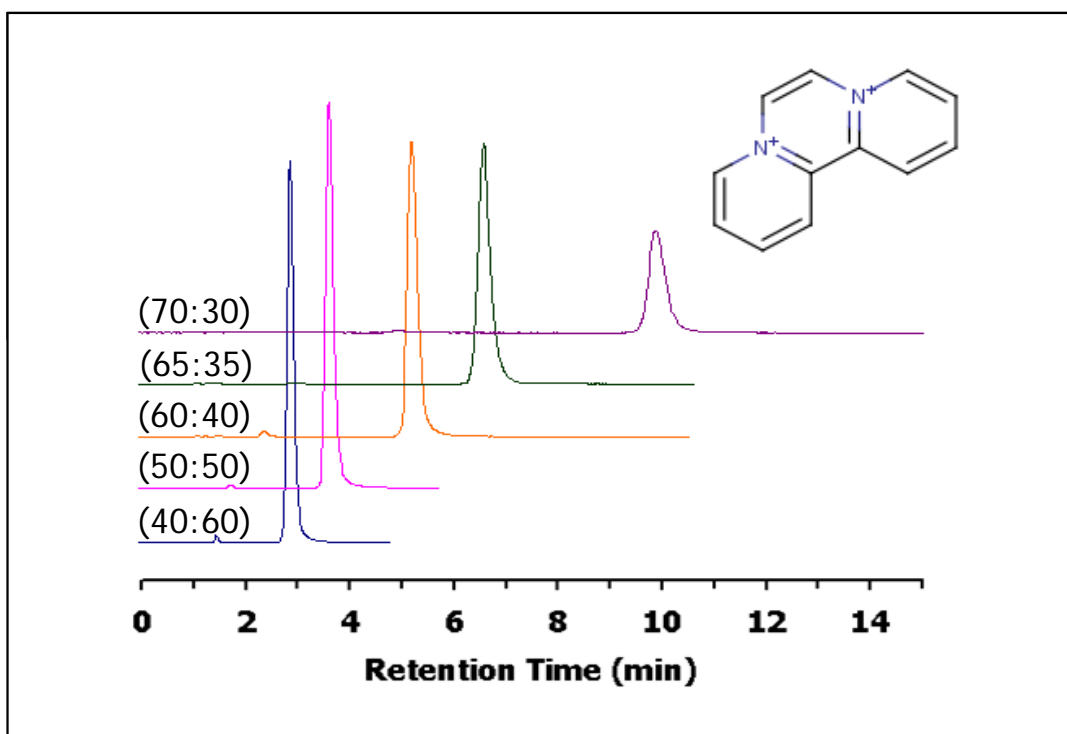


## ZIC® -pHILIC Separation of Diquat - Mobile Phase Composition

### Chromatographic Conditions

Column: ZIC®-pHILIC, PEEK 150 x 4.6 mm, 5 µm (P/N 150461)  
 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: 75-150 mM)



### Chromatographic Data

No.	Compound	Ionic Strength (mM)	Time (min)	Retention factor
$t_0$	void volume		1.3	-
1	Diquat	75	2.9	1.2
2	Diquat	100	3.6	1.8
3	Diquat	112.5	5.2	3.0
4	Diquat	125	6.6	4.1
5	Diquat	150	9.8	6.6

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