

## Separation of dye intermediate

A mixture was separated into two components using the reversed-phase chromatography. This mixture is a very important intermediate product in the process of synthesizing azo dye. Although the two components have very similar structures, they could be separated using the ion-pair method. Tetrabutylammonium bromide was added as an ion-pair reagent. Comparison of the peak heights of A and B shows that the ratio of A to B is about 8.7 : 100.

### Conditions:

Pump:	PU-980
Detector :	UV/Vis detector
Wavelength :	240nm
Sensitivity :	0.32 AU/FS
Column :	Finepack SIL C18T
Eluent :	MeOH /0.01M Tetrabutylammonium bromide (50/50)
Flow rate :	1.0ml/min
Temperature :	20 degree celsius
Sample :	Azo dye intermediates

