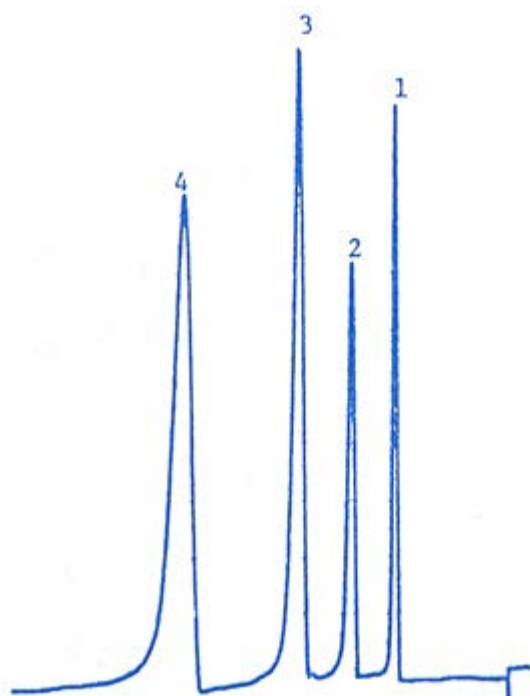


APPLICATION NEWS

Chromegabond DNAP

Chromegabond DNAP Column

The Chromegabond DNAP column is used in donor-acceptor complex chromatography. The DNAP (dinitroanilino propyl) phase, due to the electron deficient character of the aromatic ring, has a particularly strong affinity for aromatic solutes differing in the number of aromatic rings. The chromatogram shows a separation of several aromatic solutes differing in the number of condensed rings. With a silica column these compounds are retained with a straight hydrocarbon mobile phase. However, with the DNAP column 5% chloroform in the hydrocarbon mobile phase is required to elute the compounds thus illustrating the DNAP column's high affinity for aromatic compounds. The DNAP column is especially well suited for the separation of aromatic from non-aromatic compounds.



1. Benzene
2. Naphthalene
3. Fluorene
4. Anthracene

95/5 Hexane/Chloroform
2 ml/min