

ChromTech Application Bulletin No.3 (2001)

CHIRAL-AGP, the chiral column with the broadest applicability

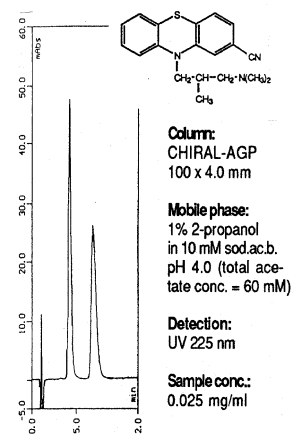
CHIRAL-AGP is one of the most used chiral columns and is a standard column at drug companies, universities and hospitals worldwide. With one single column it is possible to obtain resolution of enantiomers of basic compounds (primary, secondary, tertiary amines as well as quarternary ammonium compounds), acidic compounds (strong acids as carboxylic acids and also weak acids) and nonprotolytic compounds (alcohols, esters, amides, sulphoxides etc.). In most cases the separations can be performed on the standard column dimension which is 100x4.0 mm, using very simple mobile phases: a weak buffer containing a low percentage of an organic modifier, in most cases 2-propanol.

For an analytical or organic chemist who has to analyze many different compounds this is a "dream" column to have available. We have made it even easier for the user: method development schemes are available that covers all types of substances. The method development schemes are included in the Instruction Manual that is shipped together with the columns. They can also be found on the Internet (see Application Bulletin no.1 or email support@chromtech.co.uk).

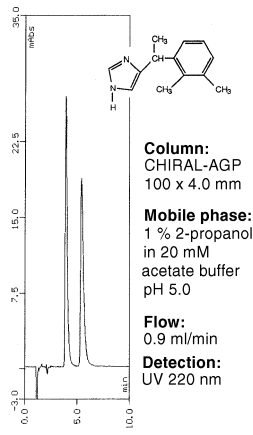
Below is a small selection of separations:

Amines:

Cyamemazine

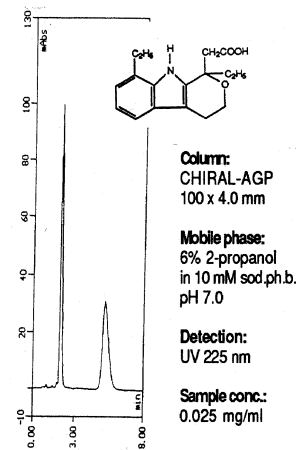


Medetomidine

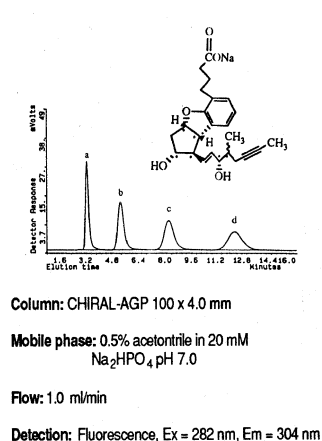


Acids:

Etodolac

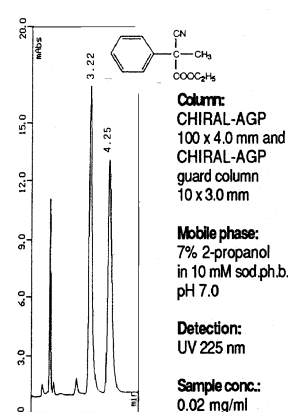


Beraprost sodium

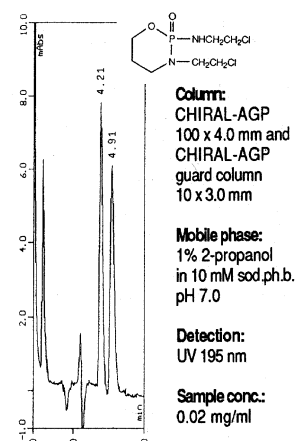


Nonprotolytes:

Methylphenylcyanoacetic acid ethylester



Ifosfamide



Many more applications are available in the Applications section on www.chromtech.se as well as in the Users Guide (also available in pdf.format for download, contact support@chromtech.co.uk).

For a list of available dimensions see the website or send an email.