

## Column mix

The **CHIRAL-AGP** and the **CHIRAL-CBH** columns both give very high enantioselectivity for many compounds.

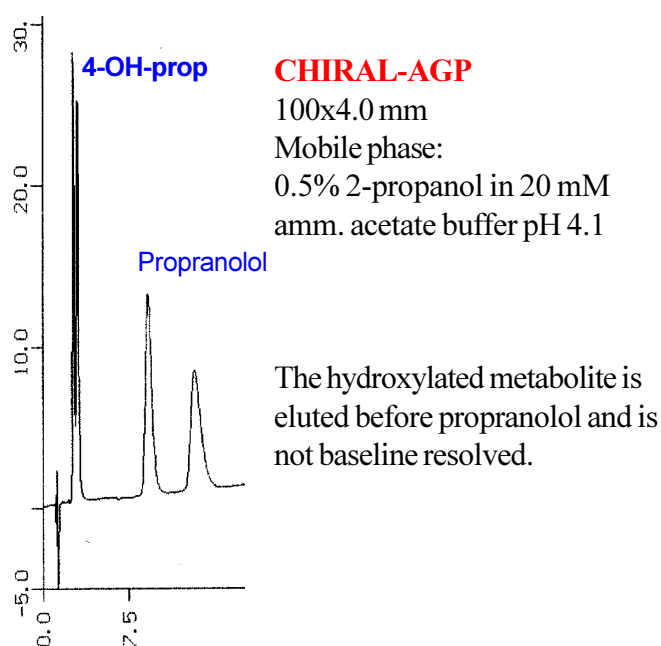
On **CHIRAL-AGP** enantiomers of an extremely broad range of compounds can be resolved:

- amines (primary, secondary, tertiary and quarternary ammonium compounds)
- acids (strong and weak)
- nonprotolytes (esters, sulphoxides, amides alcohols etc.)

On **CHIRAL-CBH** basic compounds of different types can be separated. This column is extremely useful for the separation of aminoalcohols.

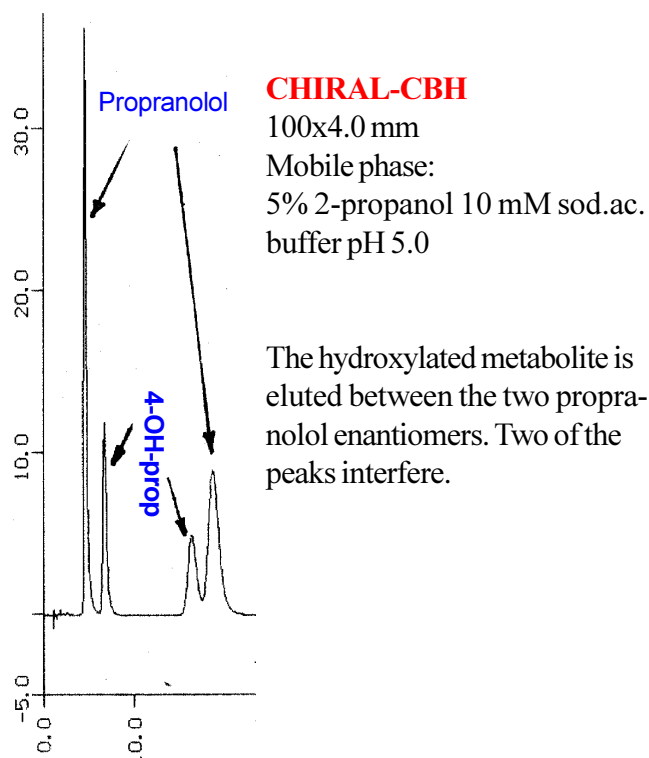
Even though the selectivity for enantiomers is very high it can sometimes be more difficult to separate other compounds which are related to each other in other ways, for example differing in an alkyl group or a hydroxyl group. This is the case, for example, when performing bioanalytical studies, where metabolites can interfere. In this Bulletin is an example of a drug (**propranolol**) and a metabolite (**4-OH-propranolol**). Both compounds exist in two enantiomers, giving 4 compounds to resolve.

**Fig. 1** shows the result on **CHIRAL-AGP**



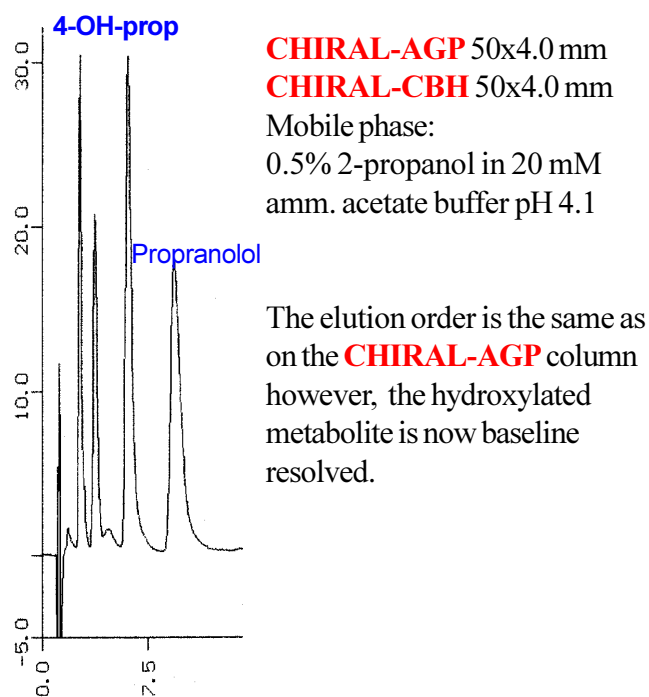
**Fig.1**

**Fig.2** shows the result on **CHIRAL-CBH**



**Fig.2**

Combination of **CHIRAL-AGP** and **CHIRAL-CBH**



**Fig.3**