

SUMICHIRAL TECHNICAL NEWS

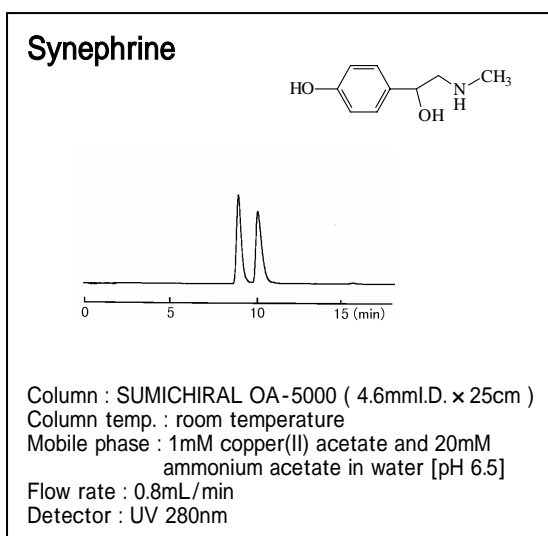
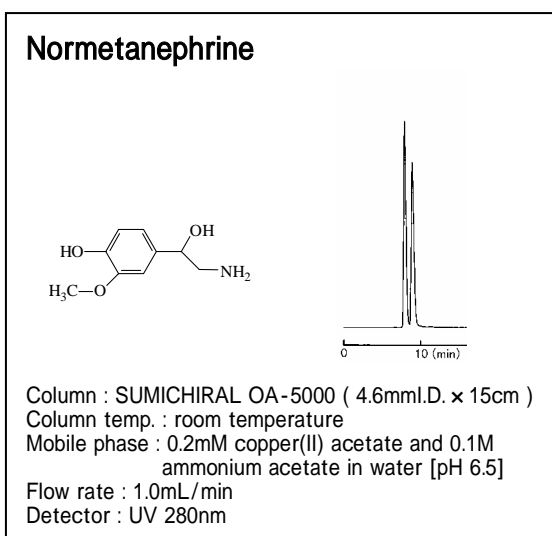
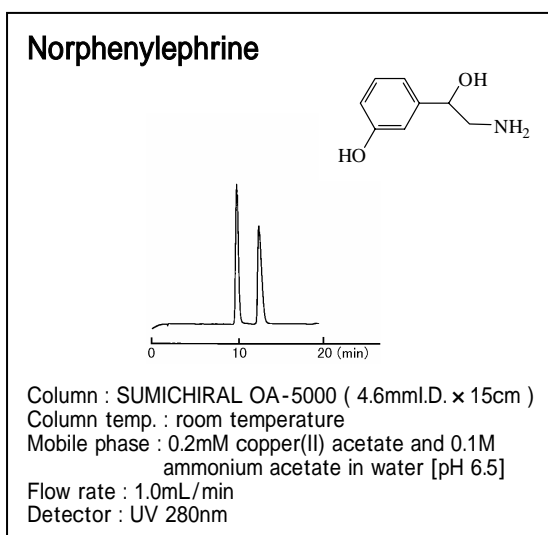
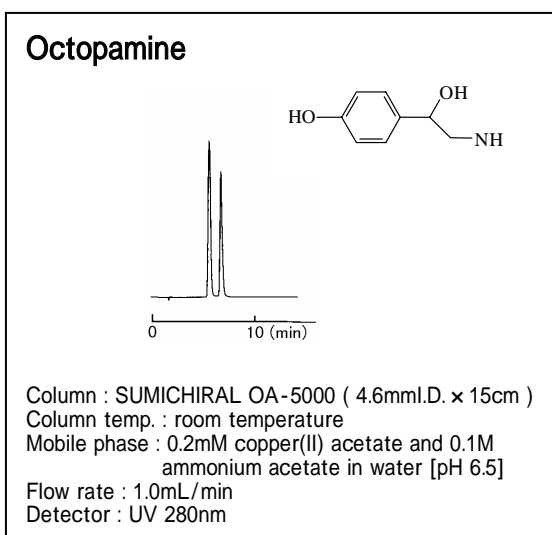
(Vol. 9 8 1 0)

Enantiomer Separation of Amino Alcohols by SUMICHIRAL OA-5000

SUMICHIRAL OA-5000 is chiral ligand exchange HPLC column, and this column is extremely effective for direct enantiomer separation of a wide range of amino acids and hydroxy acids.

In this Technical News report, we highlight several chiral separations of amino alcohols. Amino alcohol enantiomers are resolved with the eluent containing copper(II) acetate and ammonium acetate, and these separations are effected by pH.

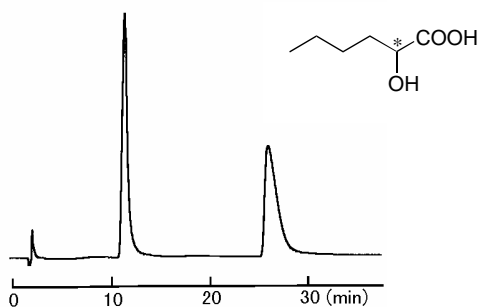
Please call for information about your specific application.



3-1-135, Kasugade-naka, Konohanaku, Osaka, 554-0022, Japan

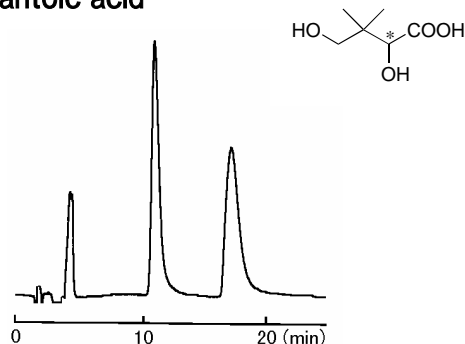
Fax + 81 6 466 5255

2-Hydroxyhexanoic acid



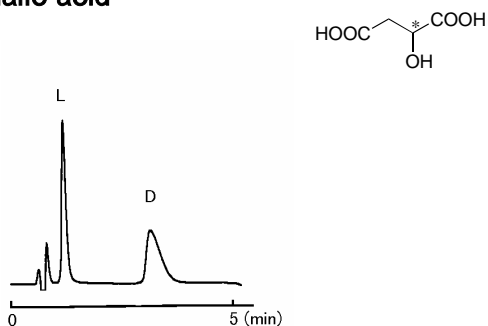
Column : SUMICHIRAL OA-6100 (4.6mmI.D. × 15cm)
Column temp : room temperature
Mobile phase : 2mM copper(II) sulfate in
water-acetonitrile (90:10)
Flow rate : 1.0mL/min
Detector : UV 254nm

Pantoic acid



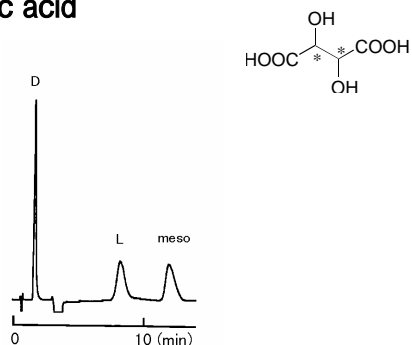
Column : SUMICHIRAL OA-5000 (4.6mmI.D. × 15cm)
Column temp : room temperature
Mobile phase : 2mM copper(II) sulfate in
water-isopropanol (90:10)
Flow rate : 1.0mL/min
Detector : UV 254nm

Malic acid



Column : SUMICHIRAL OA-5000 (4.6mmI.D. × 5cm)
Column temp : room temperature
Mobile phase : 1mM copper(II) acetate and 0.1M
ammonium acetate in water-
isopropanol (85:15) [pH 4.5]
Flow rate : 1.0mL/min
Detector : UV 280nm

Tartaric acid



Column : SUMICHIRAL OA-5000 (4.6mmI.D. × 5cm)
Column temp : room temperature
Mobile phase : 1mM copper(II) acetate and 0.05M
ammonium acetate in water-
isopropanol (85:15) [pH 4.5]
Flow rate : 1.0mL/min
Detector : UV 280nm