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Product Information

HPLC PEPTIDE STANDARD MIXTURE

Product No. H 2016

METHOD OF PREPARATION:

The components used in this mixture are the following products:

- G 3502 GLY-TYR, MW = 238.2
V 8376 VAL-TYR-VAL, MW = 379.5
M 6638 Methionine Enkephalin Acetate, MW = 573.7 for free base
(TYR-GLY-GLY-PHE-MET)
L 9133 Leucine Enkephalin, MW = 555.6 for free base
(TYR-GLY-GLY-PHE-LEU)
A 9525 Angiotensin II Acetate, MW = 1046.2 for free base
(ASP-ARG-VAL-TYR-ILE-HIS-PRO-PHE)

Each vial contains about 0.5 mg G 3502, 0.5 mg V 8376, 0.5 mg M 6638, 0.5 mg L 9133, and 0.5 mg A 9525.

The Sigma HPLC conditions:

Column: Vydac RP C-18, 25 cm X 4.6 mm ID, 5 micron particle size

Mobile Phase:

Time (min):	0	20	30
A. 10 mL SB + 100 mL ACN + 890 mL water	100	70	65
B. 10 mL SB + 750 mL ACN + 240 mL water	0	30	35

(SB = Stock Buffer = 75 mL TFA + 50 mL TEA + 250 mL ACN + 625 mL water)

TFA = trifluoroacetic acid

TEA = triethanolamine

ACN = acetonitrile

Solvent: Milli Q water, 2 mg sample per 1mL, injection volume 10 µl

Pressure: 1900 PSI

Flow Rate: 1.5 mL/min

Detection: 220 nm

RT (min, approximate): Area % (approximate):

4.23	12.0
12.08	26.2
19.18	21.2
21.99	17.5
22.18	22.0
2016	

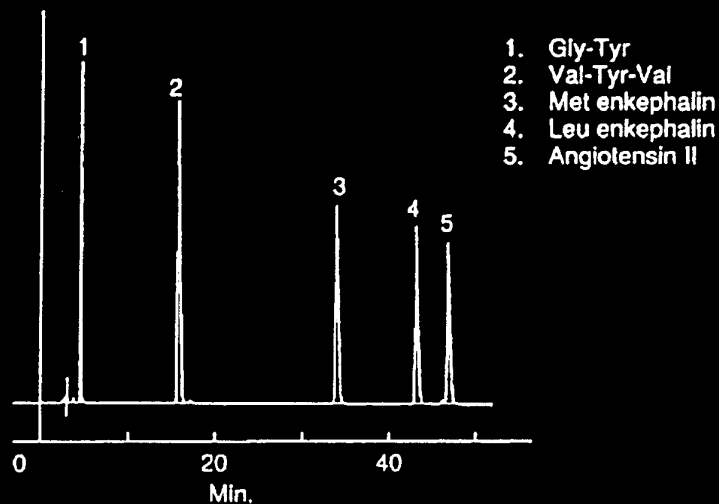
Compound:

GLY-TYR (G 3502)
VAL-TYR-VAL (V 8376)
MET-ENKEPHALIN (M 6638)
LEU-ENKEPHALIN (L 9133)
ANGIOTENSIN II (A 9525)

Please see below a typical chromatogram (from the SUPELCO 1994 catalog).

HPLC Peptide Standard Mixture (Lot 110H5951)

Column: Vydac 218TP, 25cm x 4.6mm, 5 μ m particles
Cat. No.: Z29,013-0
Mobile Phase: A - 0.1% TFA in acetonitrile:water (5:95)
B - 0.1% TFA in acetonitrile:water (75:25)
5% B to 30% B in 60 min
Flow Rate: 1mL/min
Det.: UV, 220nm
Inj.: 10 μ L Cat. No. H 2016



713-1280

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