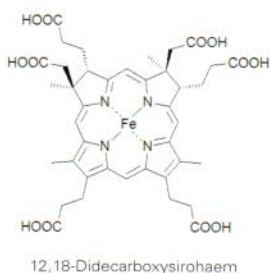
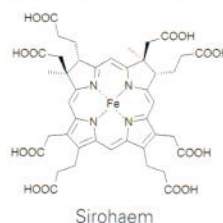


Conditions

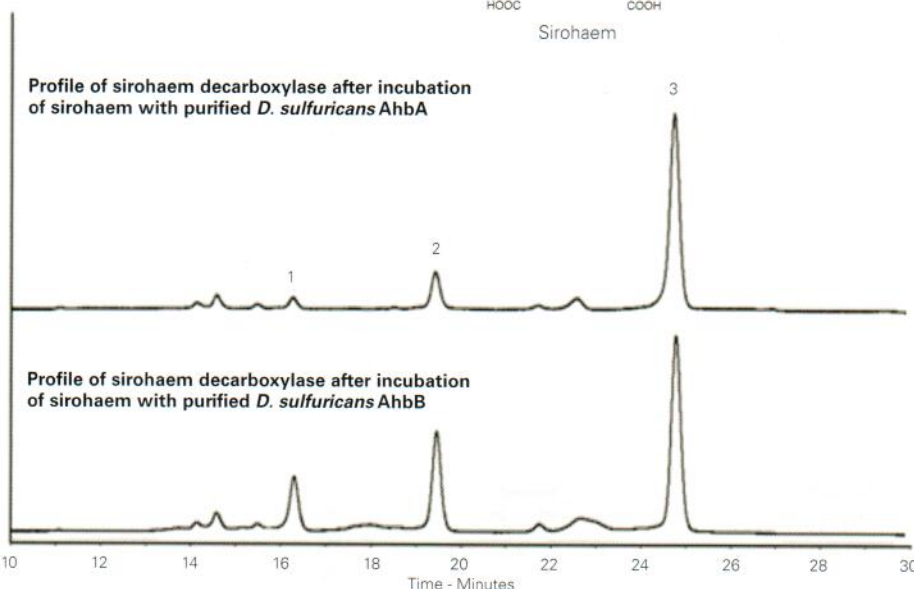
Column: ACE 5 AQ
 Dimensions: 150 x 2.1 mm
 Part Number: ACE-126-1502
 Mobile Phase: A: 0.1% TFA in H₂O
 B: MeCN
 Gradient: Time (mins) %B
 0 5
 6 20
 25 30
 35 100
 40 100
 Flow Rate: 0.2 mL/min
 Detection: DAD, 380 nm

Analytes

1. Sirohaem
2. Monodecarboxysirohaem
3. 12,18-Didecarboxysirohaem



Profile of sirohaem decarboxylase after incubation of sirohaem with purified *D. sulfuricans* AhbA



Profile of sirohaem decarboxylase after incubation of sirohaem with purified *D. sulfuricans* AhbB

Palmer DJ, Schroeder S, Lawrence AD, Deery E, Lobo SA, Saraiva LM, McLean KJ, Munro AW, Ferguson SJ, Pickersgill RW, Brown DG, Warren MJ. The structure, function and properties of sirohaem decarboxylase – an enzyme with structural homology to a transcription factor family that is part of an alternative haem biosynthesis pathway. *Molecular Microbiology* (2014) 93(2), 247-261. doi:10.1111/mmi.12656

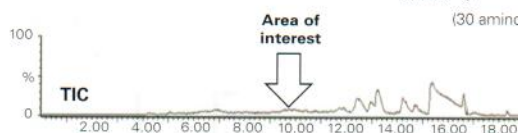
Defensins (Human) in Saliva Matrix

Conditions

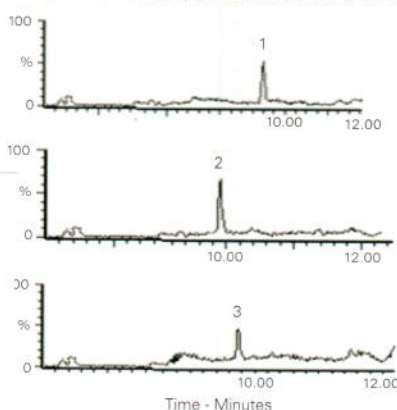
Column: ACE UltraCore 2.5 SuperC18
 Dimensions: 50 x 3.0 mm
 Part Number: CORE-25A-0503U
 Mobile Phase: A: 0.1% formic acid in H₂O
 B: 0.1% formic acid in MeCN
 Gradient: Time (mins) %B
 0 2
 2 2
 17 50
 19 95
 20 95
 Flow Rate: 0.6 mL/min
 Detection: Synapt G1 QToF +ESI MS
 Sampling cone voltage: 40 V
 Source temperature: 150 °C
 Capillary voltage: 4.8 kV
 Extraction cone voltage: 41 kV
 Desolvation temperature: 500 °C
 Acquisition: 100-2000 m/z
 Sample: SPE on C18

Defensin Human Neutrophil Peptides

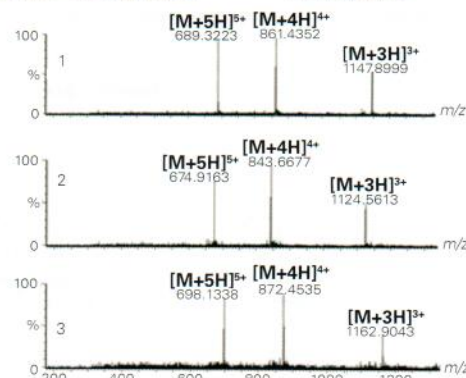
1. HNP-1 (30 amino acid residues)
2. HNP-2 (29 amino acid residues)
3. HNP-3 (30 amino acid residues)



Extracted ion current chromatograms (sum of multiply protonated ions [M+3H]³⁺, [M+4H]⁴⁺ and [M+5H]⁵⁺)



Mass spectra



Available from



LCC Engineering & Trading GmbH
 Steinbruchstrasse 4, CH-4622 Egerkingen, Switzerland
 Tel.: +41 62 398 5271, Fax.: +41 62 398 5274
 info@chemsupply.ch
 www.chromatographyshop.com

University of Greenwich, UK