Decarboxylation of Sirohaem by Sirohaem Decarboxylase

ACE® Ultra-inert UHPLC & HPLC Columns

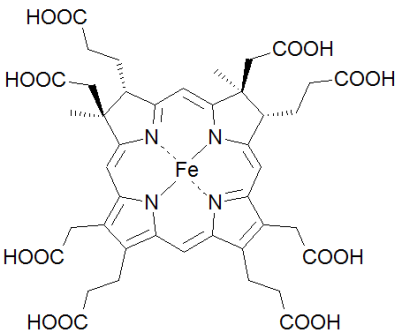
Application #AN3830

Conditions

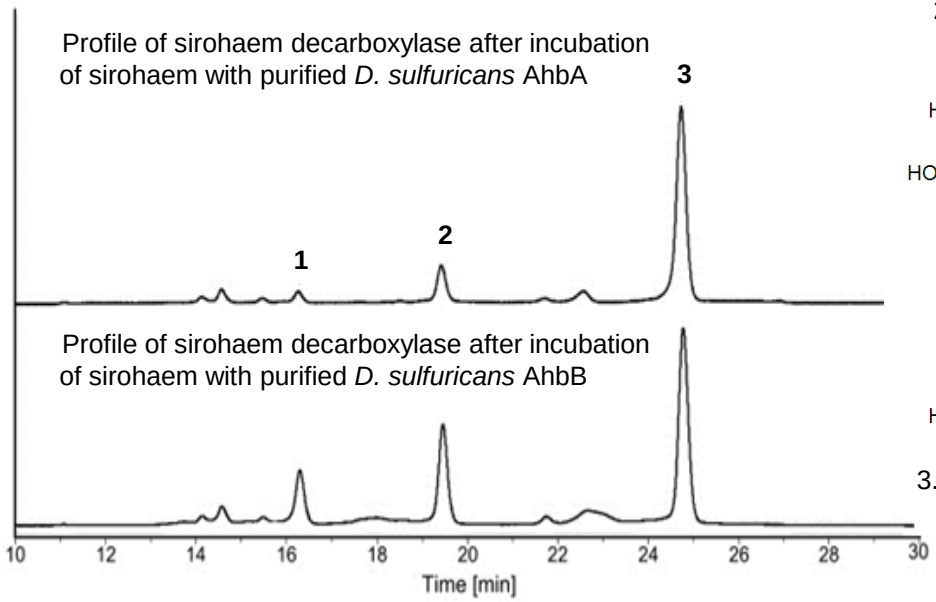
Column:	ACE 5 AQ
Dimensions:	150 x 2.1 mm
Part Number:	ACE-126-1502
Mobile Phase:	A: 0.1% TFA in H_2O
	B: MeCN

Time (mins)	%B
0	5
6	20
25	30
35	100
40	100

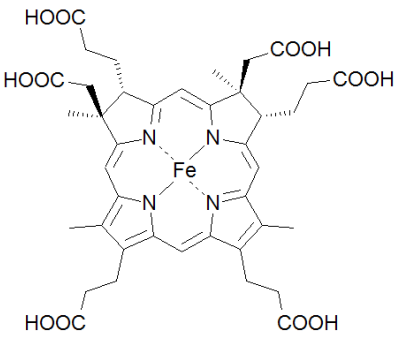
Flow Rate:	0.2 mL/min
Detection:	DAD, 380 nm



1. Sirohaem



2. Monodecarboxysirohaem



3. 12,18-Didecarboxysirohaem

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

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