

HPLC Application

ID No.: 20869

OPA Derivatization in Wine of Histadine and Histamine using Kinetex 2.6u C18

Column: Kinetex[®] 2.6 μ m C18 100 Å, LC Column 100 x 4.6 mm, Ea
Dimensions: 100 x 4.6 mm ID
Order No: 00D-4462-E0
Elution Type: Gradient
Eluent A: 20mM Sodium Acetate pH 7.2 w/0.03% Sodium Azide (pre-filtered 0.2um)
Eluent B: 50:50 Acetonitrile/Methanol

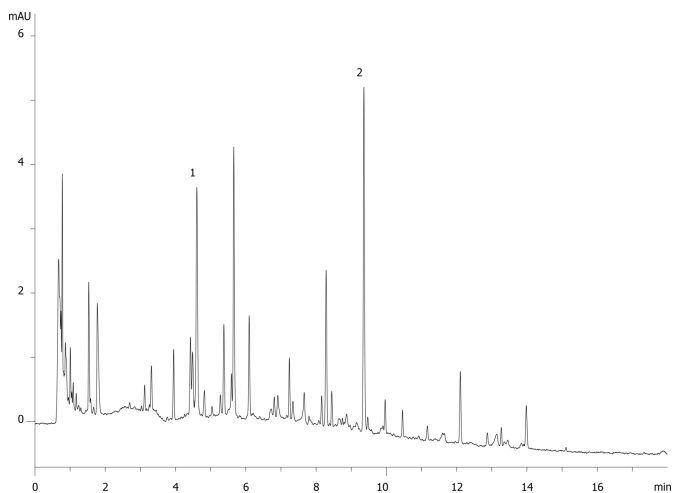
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	97	3
	2	20	20	80
	3	20.5	97	3
	4	23	97	3

Flow Rate: 1.2 mL/min
Col. Temp.: 30 °C
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 338 nm (ambient)

Detector Info: Offline Amino Acid derivatization:

1. In to a amber vial dispense 250uL of 20mM Sodium Acetate pH 12.5
2. Add 100uL of Sample (ex: Wine sample, Standards)
3. Mix for 30 seconds
4. Add 50uL of OPA derivatization agent (OPA: Part # 5061-3335)
5. Mix vigorously for 30 seconds
6. Add 2.0mL of MilliQ Water
7. Mix for 30 seconds
8. Inject 10uL of sample on to system

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Products used in this application:



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ANALYTES:

- 1 Histidine
- 2 Histamine

