

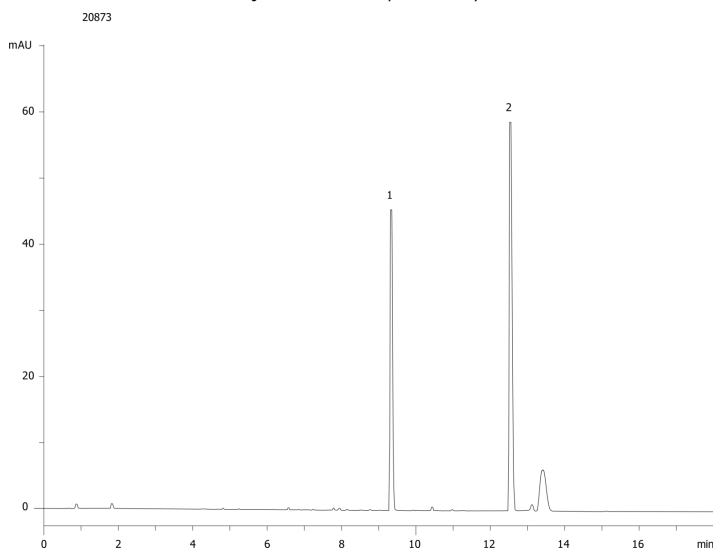
## OPA Derivatization of Tyramine and Histamine using Kinetex 2.6u C18

**Column:** Kinetex® 2.6 µm 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 0.2µm)  
**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



Products used in this application:



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### ANALYTES:

- 1 Histamine
- 2 Tyramine

