

Indolamines

Determination of Indolamines by nanoHPLC and Laser Induced Fluorescence Detection

Instruments:

HPLC pump: Ultimate™, LC Packings
Detector: Picometrics ZETALIF detector
Laser: DPSS Laser 266 nm, 2 mW

Sample:

Indolamines standards diluted in water

Reagents:

None (Naturally fluorescent compound)

Methods:

Phase A:
99% 10mM Sodium Acetate pH 4.00 /1% Methanol

Phase B:
7% 10mM Sodium Acetate pH 4.00 /93% Methanol

Gradient:

00.00 mn 20% phase B
18.00 mn 50% phase B
19.00 mn 90% phase B
24.00 mn 90% phase B
25.00 mn 20% phase B
50.00 mn 20% phase B

Flowrate: 200 nL/min

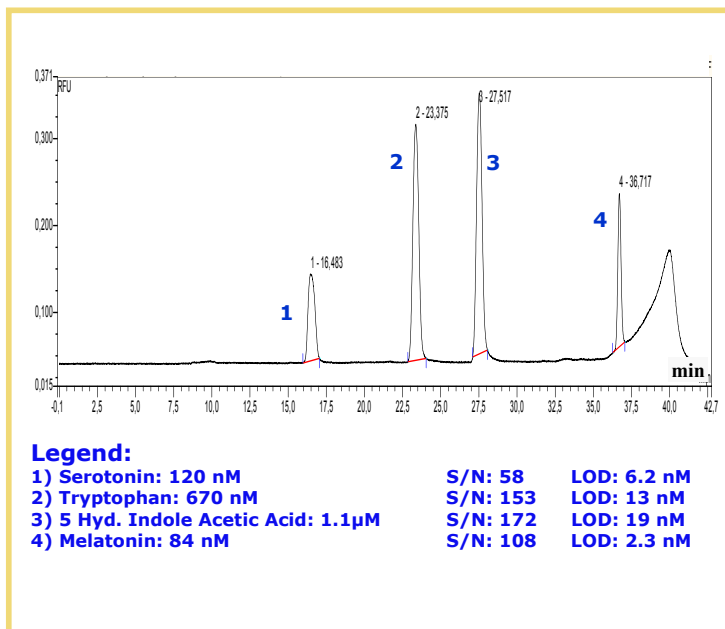
Injection volume: 1µL

Column: LC Packings PepMap C18, 5 µm, 100A,
75 µm ID x 15 cm

Detector Capillary: 50 µm ID

Limit of Detection*:
2 to 20 nM

* Estimated for a S/N of 3



Source: Picometrics application lab. 06/2003.

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