

## Melatonin in commercial formulation on Kinetex 5u C18 50x4.6mm

**Column:** Kinetex® 5µm C18 100 Å, LC Column 50 x 4.6 mm, Ea

**Dimensions:** 50 x 4.6 mm ID

**Order No:** 00B-4601-E0

**Elution Type:** Gradient

**Eluent A:** 0.25% Phosphoric Acid in MilliQ Water

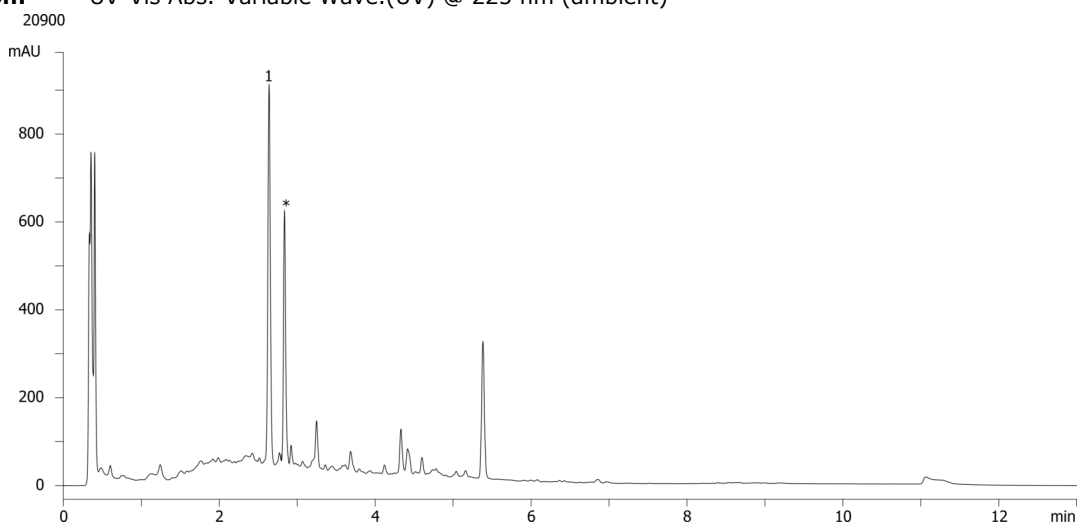
**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	7	30	70
	3	8	10	90
	4	10	10	90
	5	10.1	90	10
	6	13	90	10

**Flow Rate:** 1.5 mL/min

**Col. Temp.:** 30 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 225 nm (ambient)



### ANALYTES:

- 1 Melatonin  
Retention Time: 2.638 min
- 2 Formulation impurity  
Retention Time: 2.836 min



Products used in this application:

