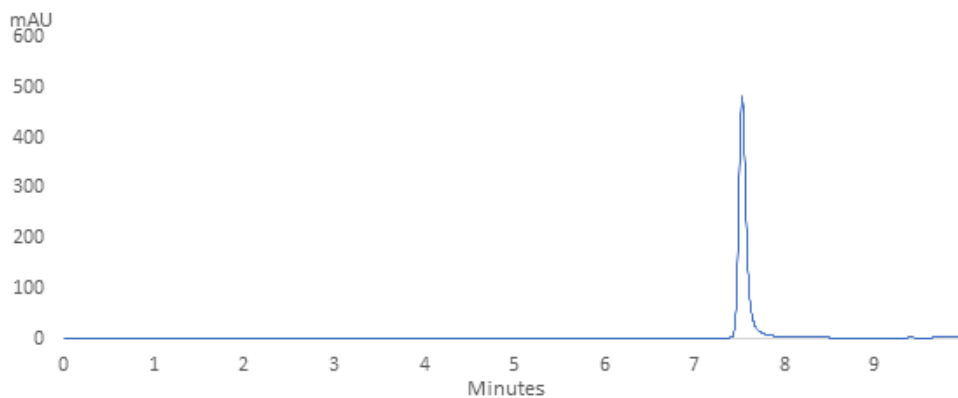


# Ranitidine

## Experimental

<b>Column:</b>	SVEA C18 Gold, 3.5 $\mu\text{m}$ 110 $\text{\AA}$ 4.6 x 100 mm
<b>Instrument:</b>	HPLC
<b>Mobile phase:</b>	Solution A: 0.05 M Phosphate buffer (pH 7.1): Acetonitrile (95:5) Solution B: 0.05 M Phosphate buffer (pH 7.1): Acetonitrile (78:22)
<b>Gradient:</b>	100-0% A in 0 to 10 min; 0% A at 10 to 15 min; 0-100% A in 15 to 16 min; 100% A in 16 to 20 min
<b>Flow rate:</b>	1.5 mL/min
<b>Injection volume:</b>	10 $\mu\text{l}$
<b>Column temperature:</b>	35°C
<b>Detector:</b>	UV 230 nm
<b>Sample:</b>	125 ppm Ranitidine in 0.05 M Phosphate buffer (pH 7.1): Acetonitrile (95:5)



### Performance

Retention time = 7.5

USP Tailing = 1.41

Theoretical plate number = 434090

Area under curve = 2916.1426

