

CLICK ON THE UNDERLINED BLUE TEXT FOR DETAILS ON THE PRODUCTS USED IN THIS APPLICATION

## TEST CONDITIONS

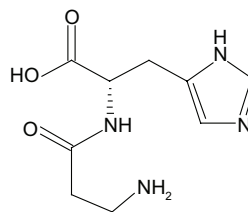
### Chromatographic Conditions

Column:	ACQUITY UPLC® BEH Amide, 2.1 x 50 mm, 1.7 µm		
Part Number:	<a href="#">186004800</a>		
Mobile Phase A:	50/50 MeCN/H <sub>2</sub> O with 10 mM CH <sub>3</sub> COONH <sub>2</sub> and 0.04 % NH <sub>4</sub> OH, pH 9.0		
Mobile Phase B:	95/5 MeCN/H <sub>2</sub> O with 10 mM CH <sub>3</sub> COONH <sub>4</sub> and 0.04 % NH <sub>4</sub> OH, pH 9.0		
Flow Rate:	0.5 mL/min		
Gradient:	Time (min)	%A	Profile %B
	Initial	0.1	99.9
	5.00	65.0	35.0
	5.01	0.1	99.9
	6.00	0.1	99.9
Injection Volume:	5 µL		
Sample Diluent:	75/25 MeCN/MeOH		
Column Temperature:	65 °C		
Weak Needle Wash:	95/5 MeCN/H <sub>2</sub> O		
Instrument:	Waters ACQUITY UPLC with ACQUITY SQD		

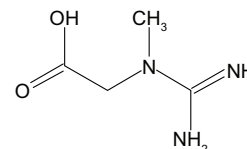
### Mass Spectrometer Settings

Ionization Mode:	ES <sup>+</sup>
Capillary:	2.5 KV
Cone:	20 V (Carnosine; Creatinine, Anserine); 25 V (Creatine)
Source Temperature:	120 °C
Desolvation Temperature:	400 °C
Desolvation Gas Flow:	800 L/Hr
Cone gas Flow:	5 L/Hr
SIR m/z:	227.1 (Carnosine); 132.1 (Creatine); 114.05 (Creatinine); 241.1 (Anserine)
Dwell Time:	0.1 s

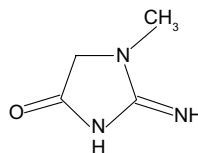
## STRUCTURES



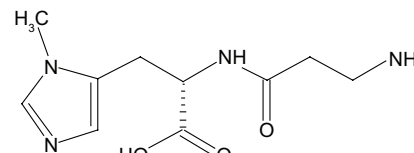
Carnosine



Creatine



Creatinine



Anserine

## COMPOUNDS

1. Creatinine (1 µg/mL)
2. Creatine (5 µg/mL)
3. Anserine (5 µg/mL)
4. Canosine (5 µg/mL)

