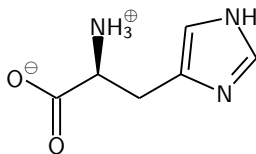


normalized Raman Intensity



His-H

pH

8.1

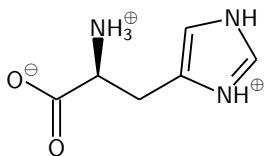
6.4

6.0

5.5

4.4

His- H_2^+



1200

1400

1600

$\tilde{\nu} / \text{cm}^{-1}$