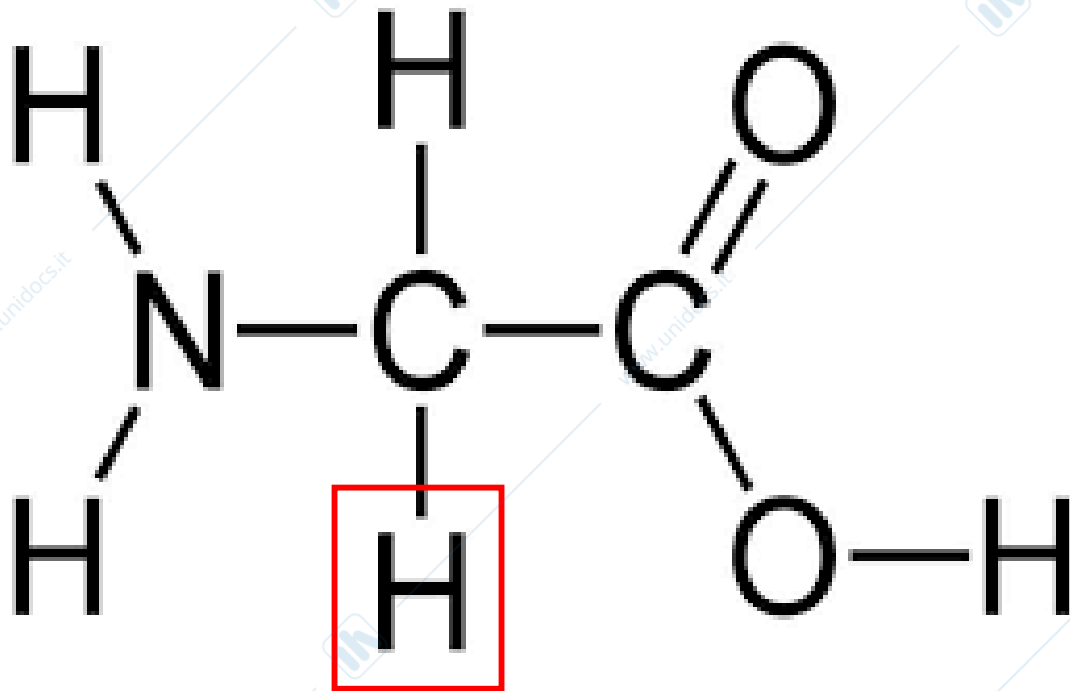


# Glicina

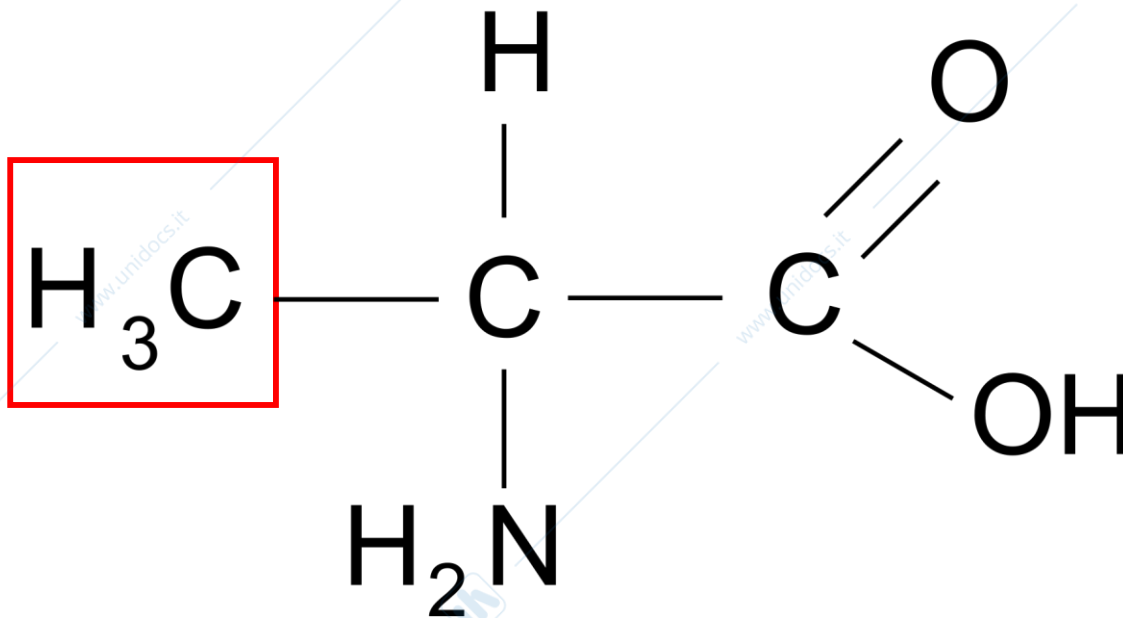


| NOME    | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|---------|-------|---------|-----------------|-----------------|-----------------|------|
| Glicina | Gli   | G       | 2,34            | 9,60            | -               | 5,97 |

## GRUPPO R

Alifatico, non polare

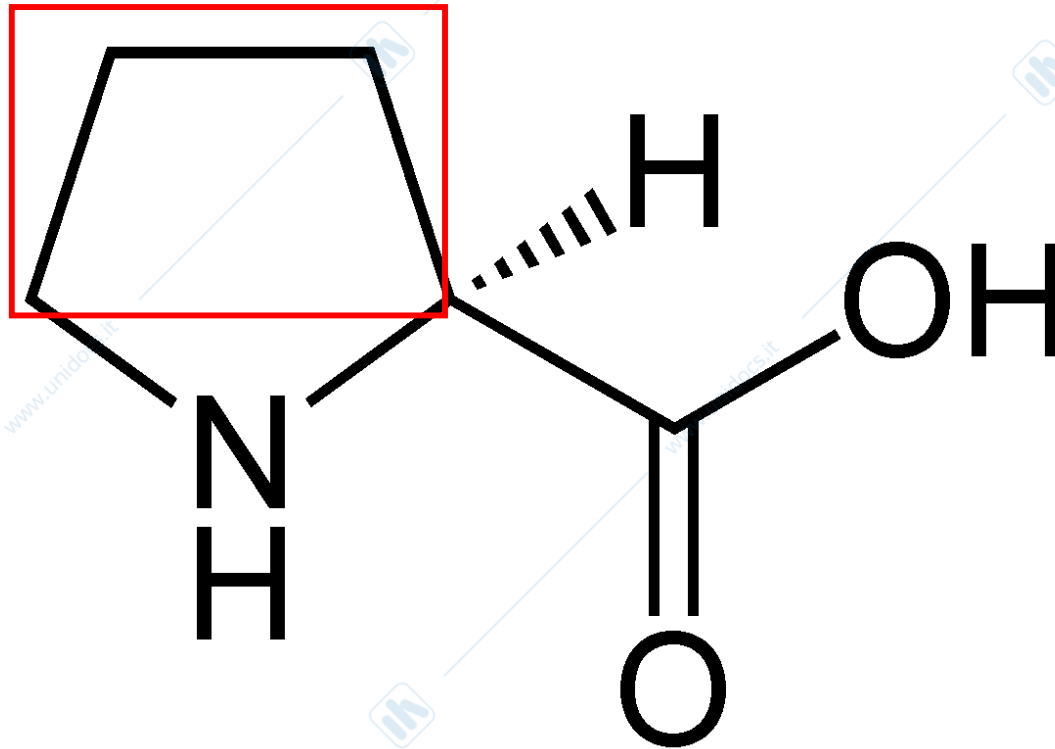
# Alanina



| NOME    | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|---------|-------|---------|-----------------|-----------------|-----------------|------|
| Alanina | Ala   | G       | 2,34            | 9,69            | -               | 6,01 |

| GRUPPO R              |
|-----------------------|
| Alifatico, non polare |

# Prolina

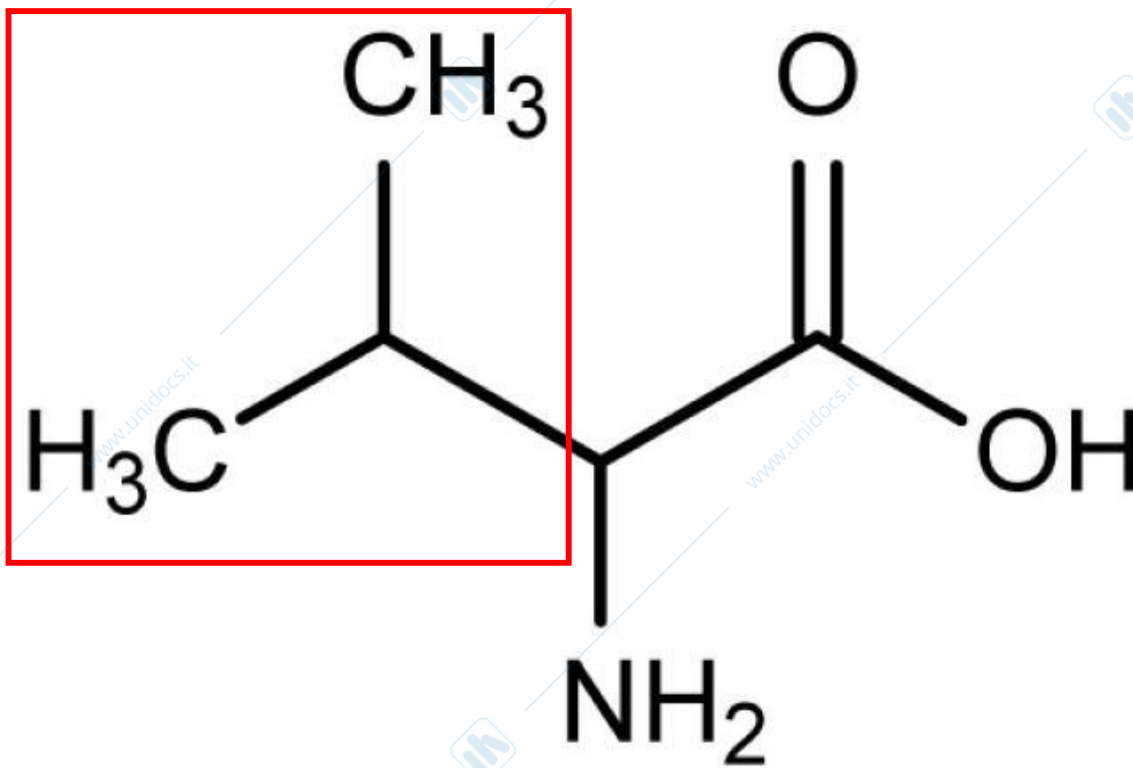


| NOME    | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|---------|-------|---------|-----------------|-----------------|-----------------|------|
| Prolina | Pro   | P       | 1,99            | 10,96           | -               | 6,48 |

## GRUPPO R

Alifatico, non polare

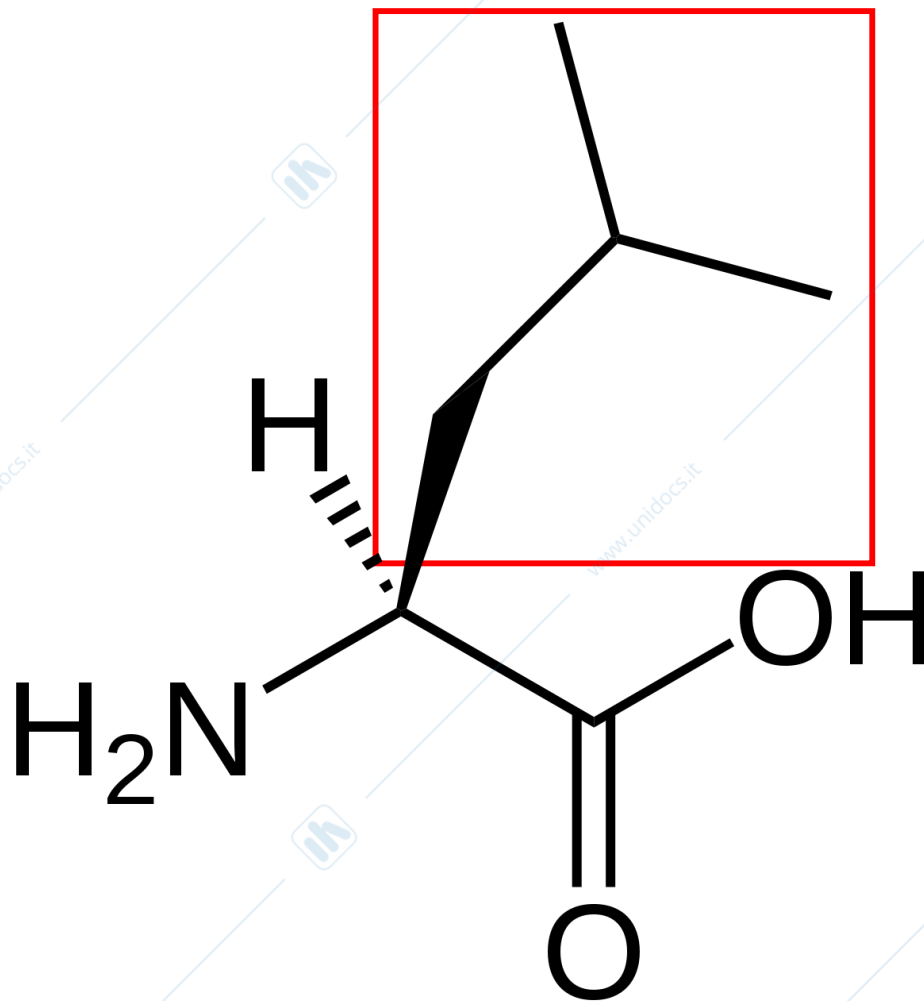
# Valina



| NOME   | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|--------|-------|---------|-----------------|-----------------|-----------------|------|
| Valina | Val   | V       | 2,32            | 9,62            | -               | 5,97 |

| GRUPPO R              |
|-----------------------|
| Alifatico, non polare |

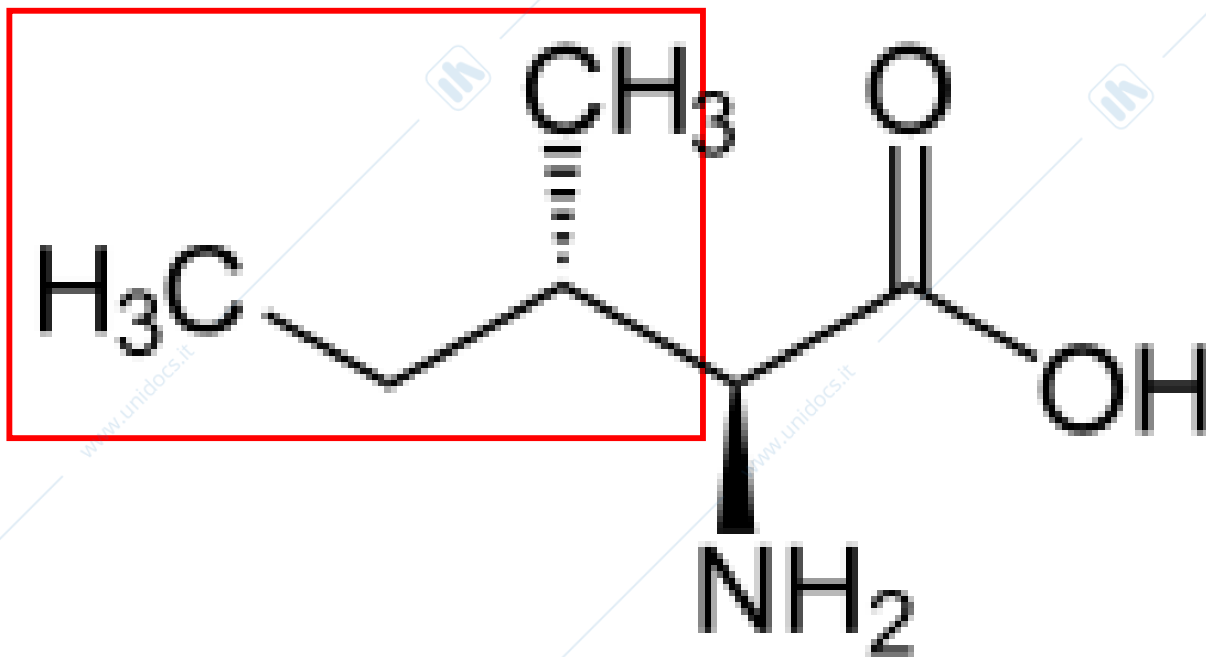
# Leucina



| NOME    | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|---------|-------|---------|-----------------|-----------------|-----------------|------|
| Leucina | Leu   | L       | 2,36            | 9,60            | -               | 5,98 |

| GRUPPO R              |
|-----------------------|
| Alifatico, non polare |

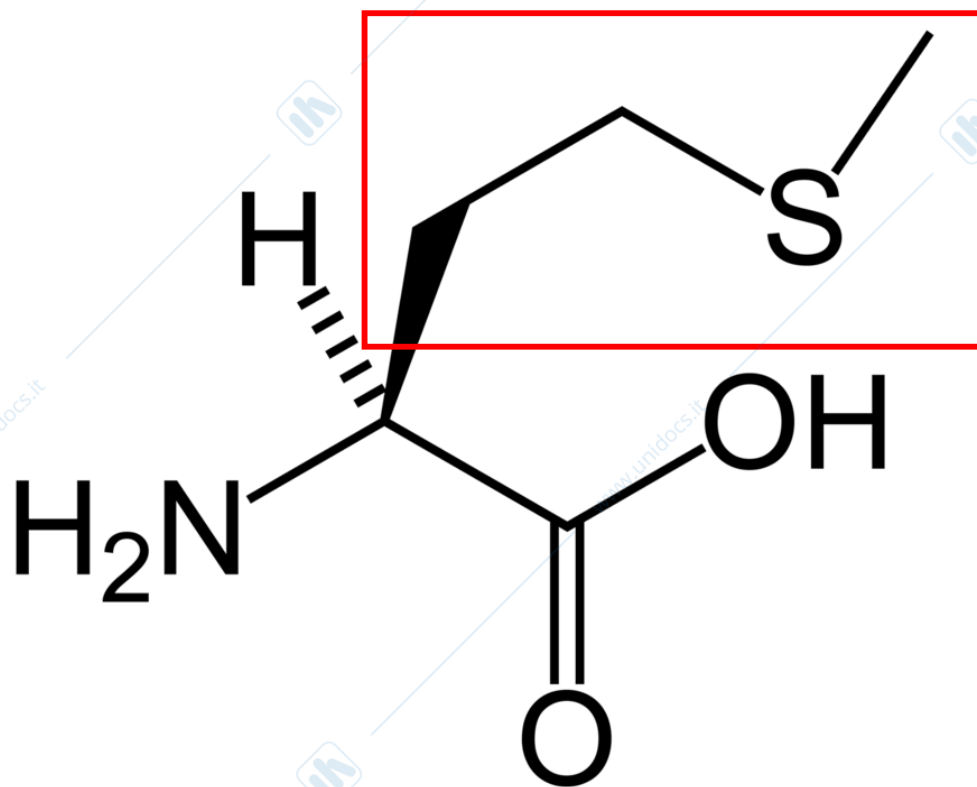
# Isoleucina



| NOME       | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|------------|-------|---------|-----------------|-----------------|-----------------|------|
| Isoleucina | Ile   | I       | 2,36            | 9,68            | -               | 6,02 |

| GRUPPO R              |
|-----------------------|
| Alifatico, non polare |

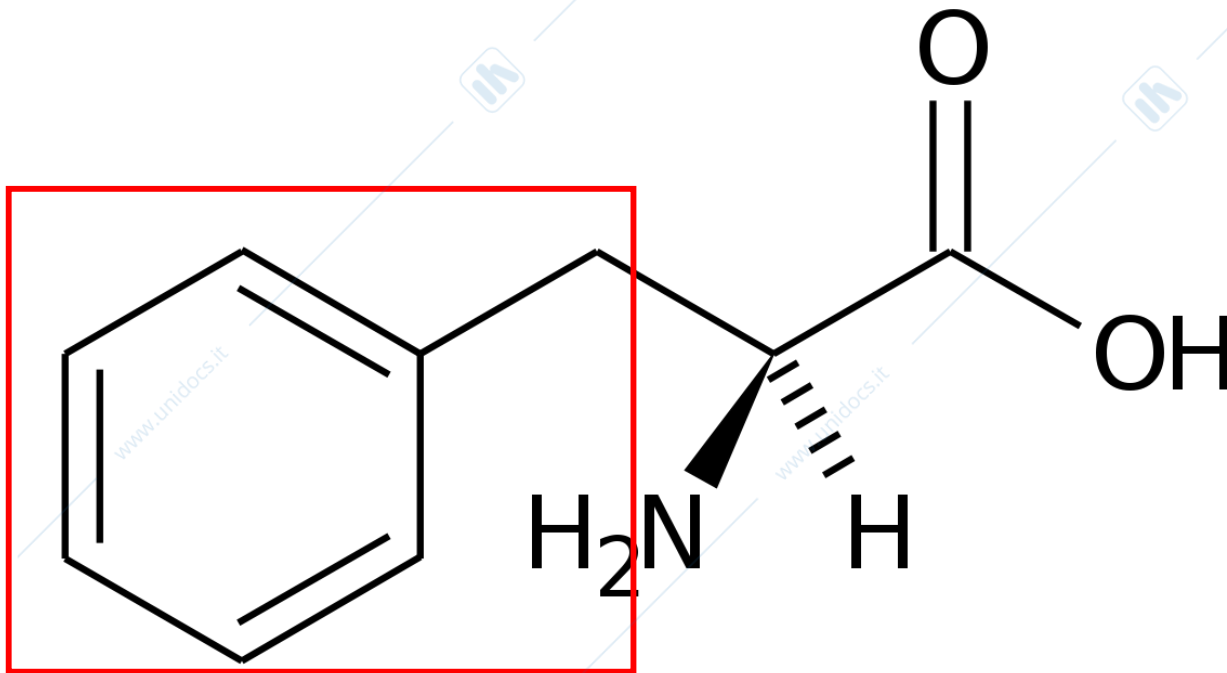
# Metionina



| NOME      | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|-----------|-------|---------|-----------------|-----------------|-----------------|------|
| Metionina | Met   | M       | 2,28            | 9,21            | -               | 5,74 |

| GRUPPO R              |
|-----------------------|
| Alifatico, non polare |

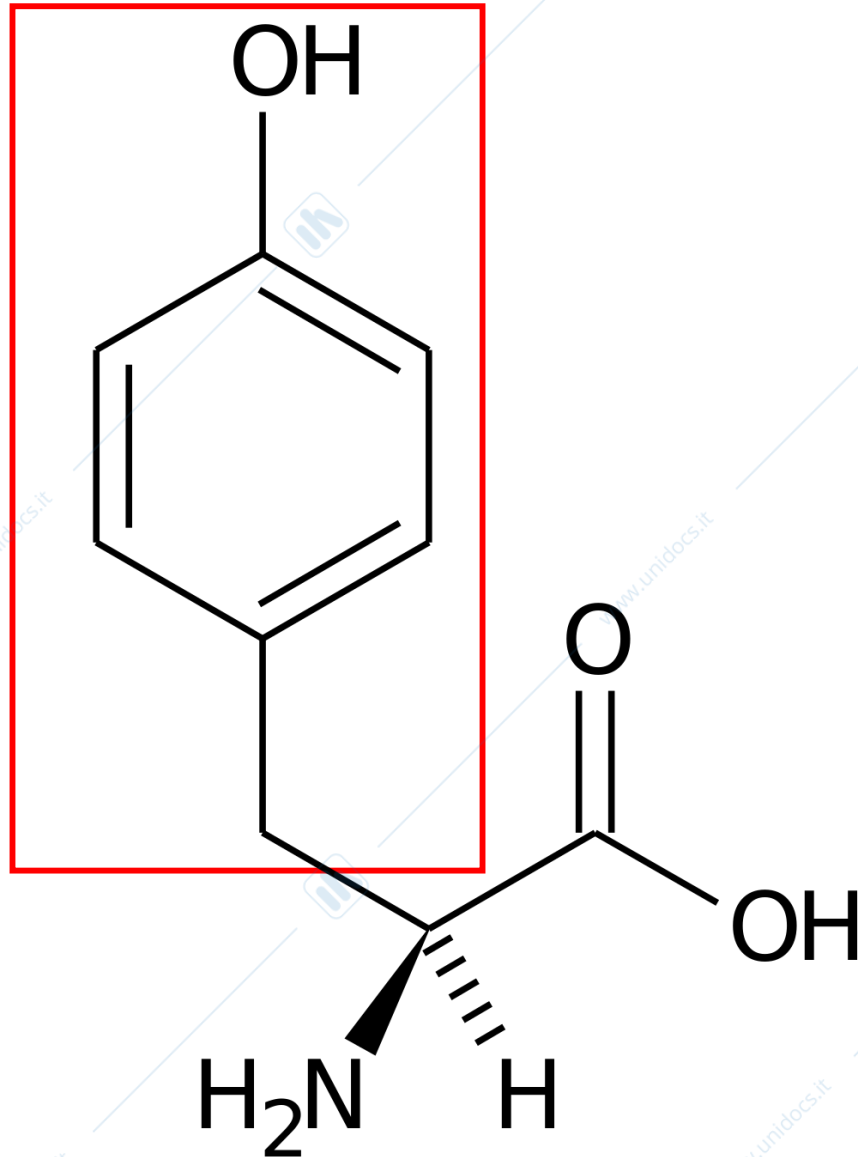
# Fenilalanina



| NOME         | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pl   |
|--------------|-------|---------|-----------------|-----------------|-----------------|------|
| Fenilalanina | Phe   | F       | 2,83            | 9,13            | -               | 5,48 |

| GRUPPO R  |
|-----------|
| Aromatico |

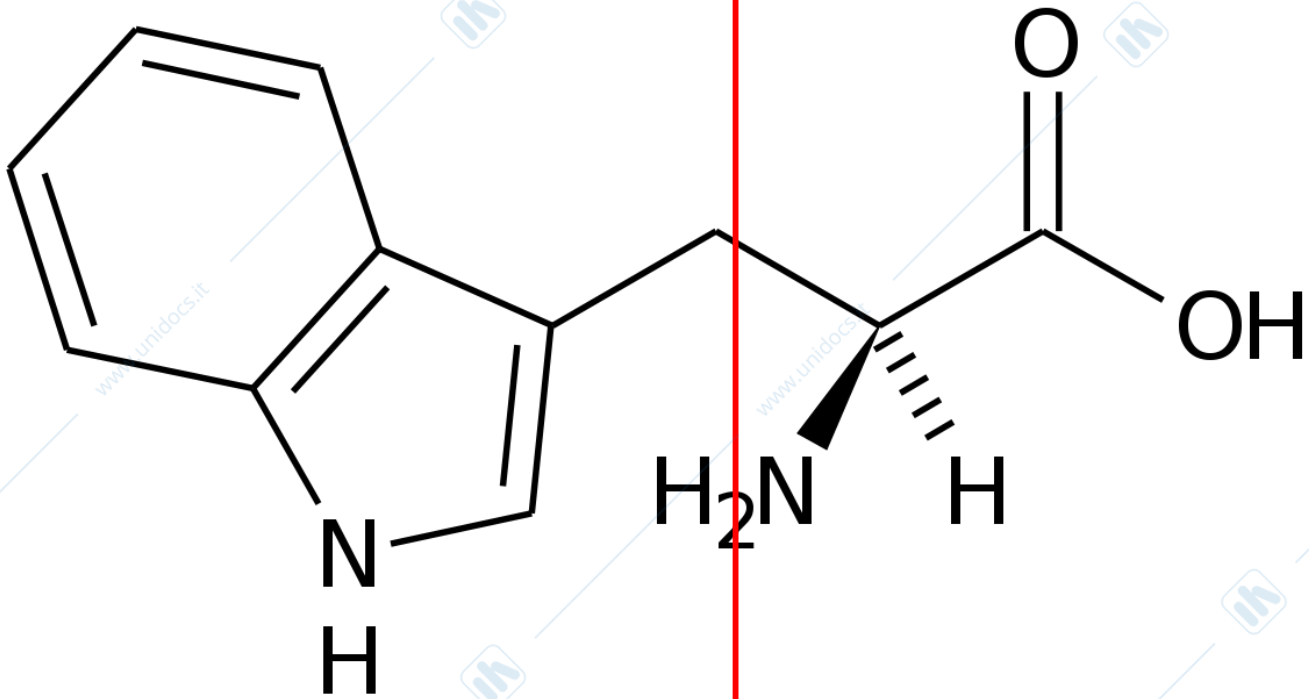
# Tirosina



| NOME     | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|----------|-------|---------|-----------------|-----------------|-----------------|------|
| Tirosina | Tyr   | Y       | 2,20            | 9,11            | 10,07           | 5,66 |

| GRUPPO R  |
|-----------|
| Aromatico |

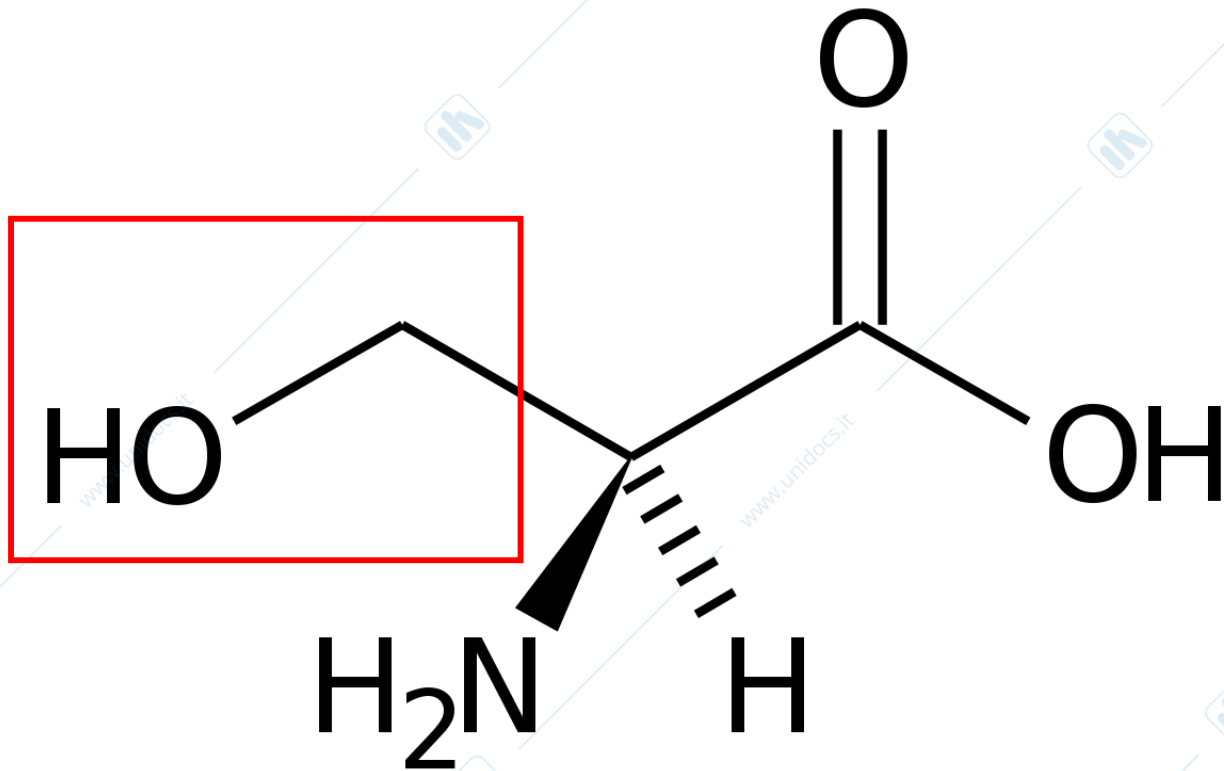
# Triptofano



| NOME       | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|------------|-------|---------|-----------------|-----------------|-----------------|------|
| Triptofano | Trp   | W       | 2,38            | 9,39            | -               | 5,89 |

| GRUPPO R  |
|-----------|
| Aromatico |

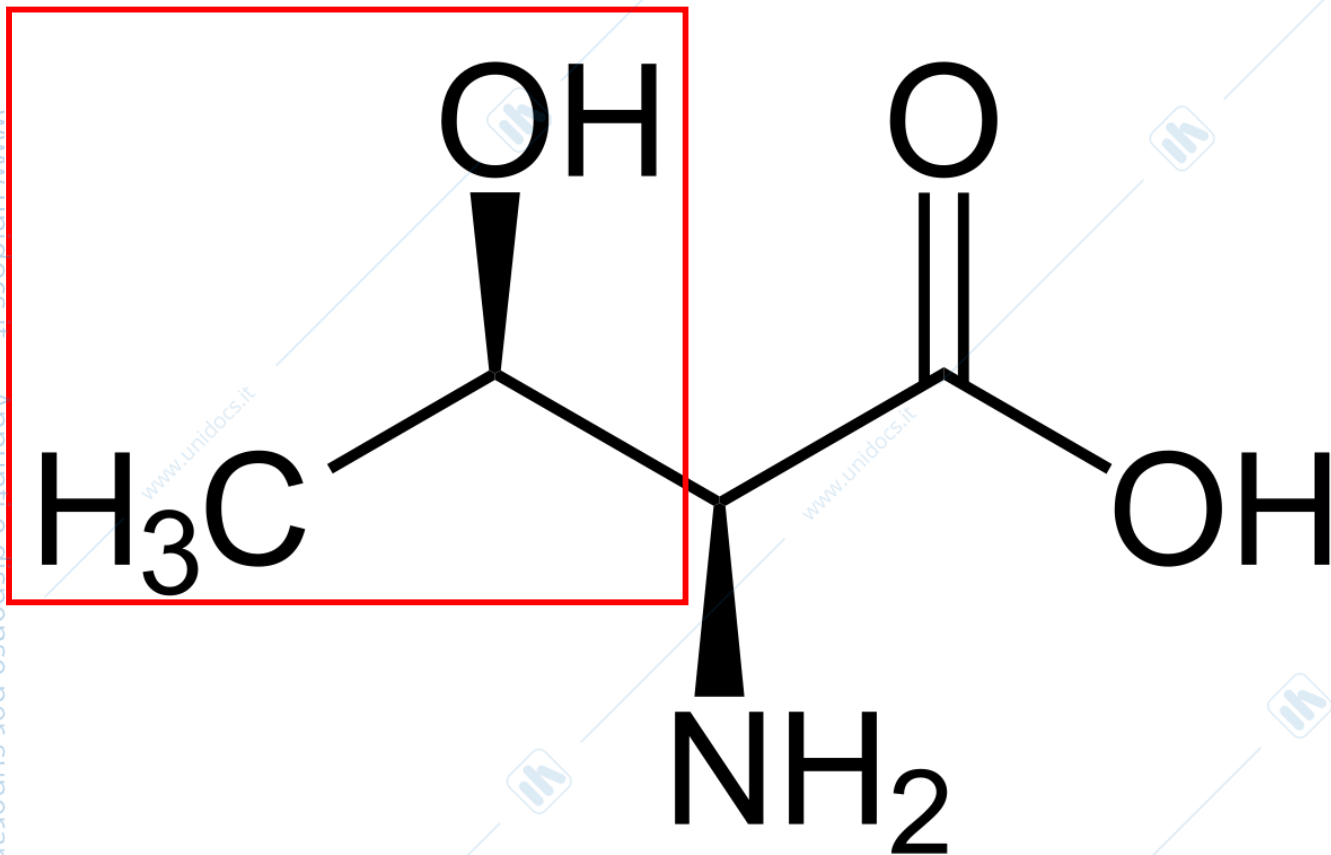
# Serina



| NOME   | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|--------|-------|---------|-----------------|-----------------|-----------------|------|
| Serina | Ser   | S       | 2,21            | 9,15            | -               | 5,68 |

| GRUPPO R           |
|--------------------|
| Polare, non carico |

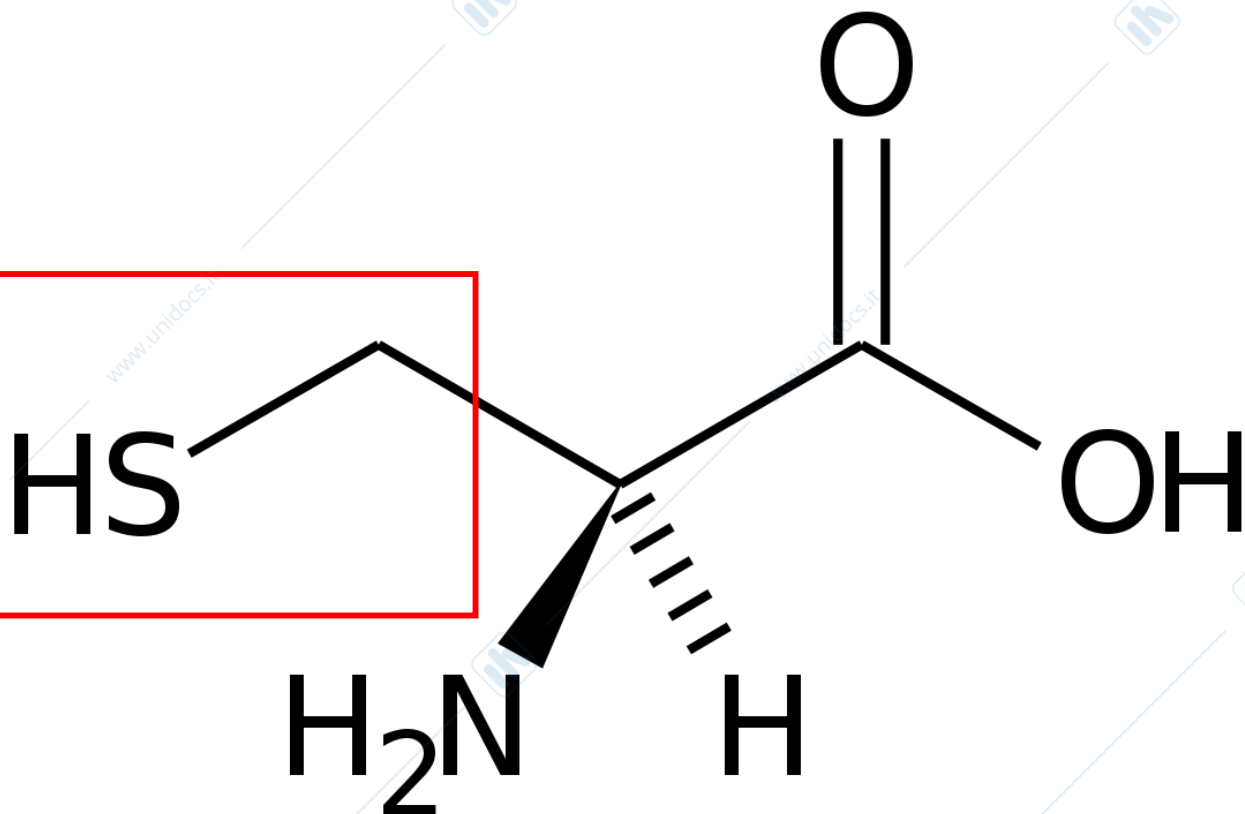
# Treonina



| NOME     | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|----------|-------|---------|-----------------|-----------------|-----------------|------|
| Treonina | Thr   | T       | 2,11            | 9,62            | -               | 5,87 |

| GRUPPO R           |
|--------------------|
| Polare, non carico |

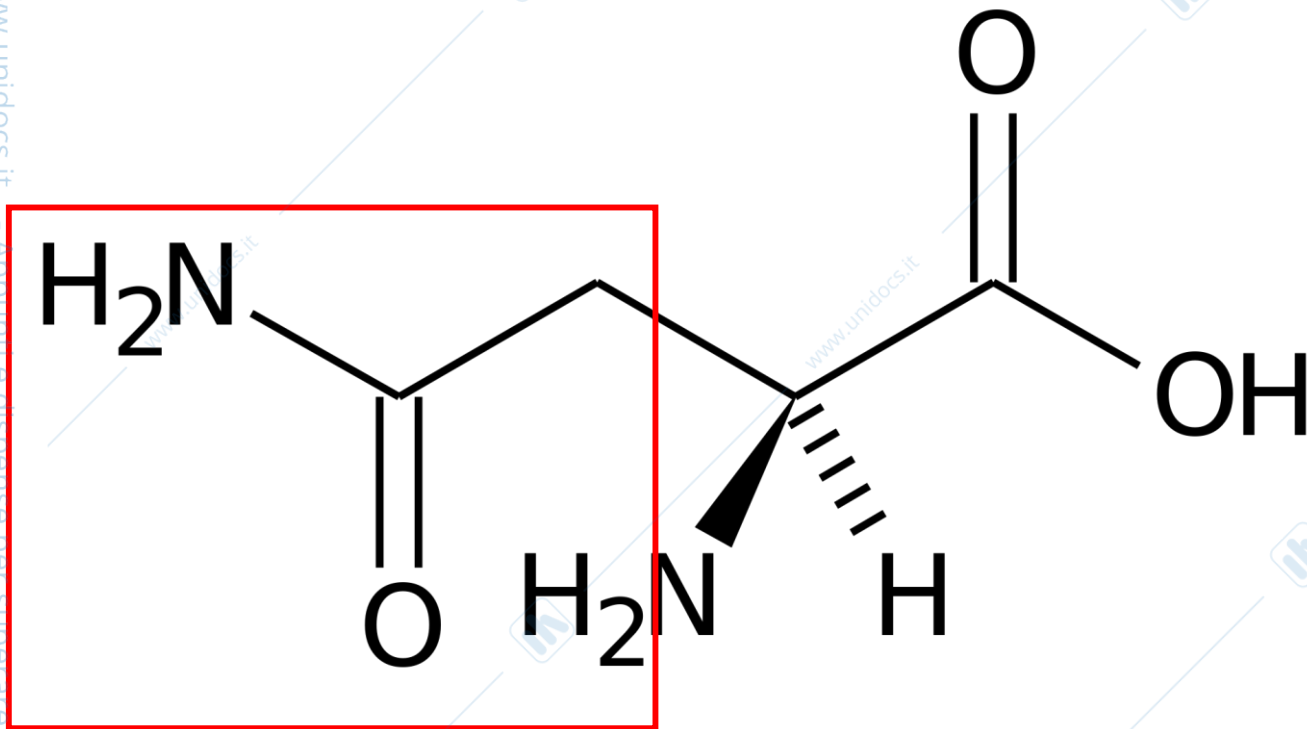
# Cisteina



| NOME     | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|----------|-------|---------|-----------------|-----------------|-----------------|------|
| Cisteina | Cys   | C       | 1,96            | 10,28           | 8,18            | 5,07 |

| GRUPPO R           |
|--------------------|
| Polare, non carico |

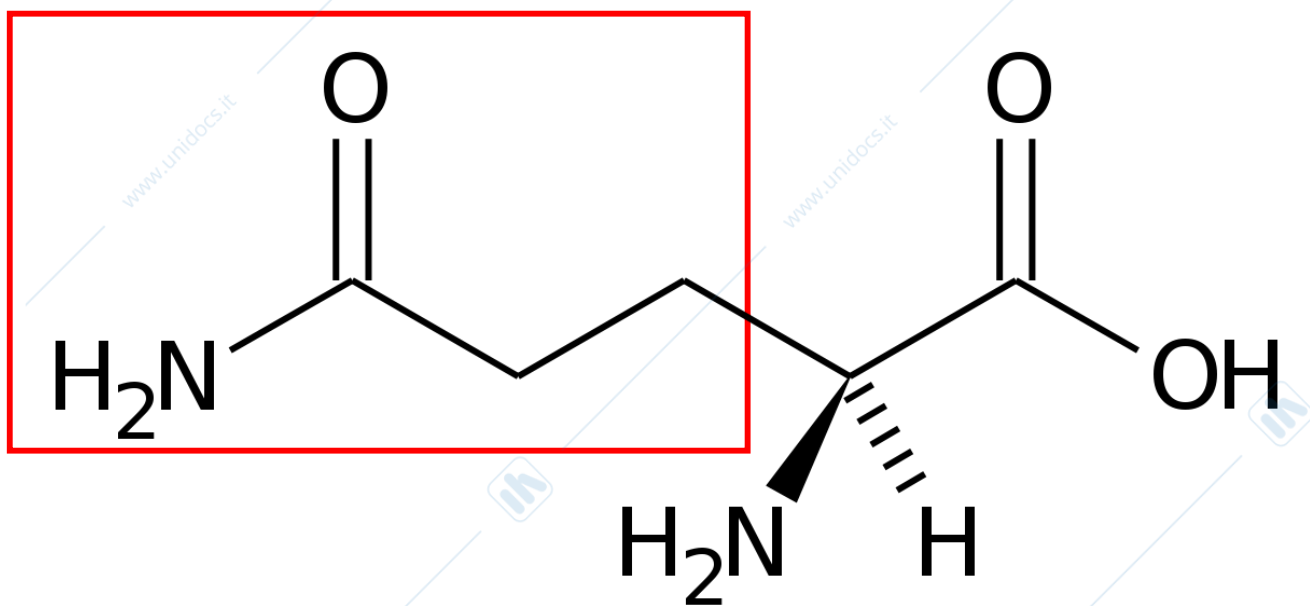
# Asparagina



| NOME       | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|------------|-------|---------|-----------------|-----------------|-----------------|------|
| Asparagina | Asn   | N       | 2,02            | 8,80            | -               | 5,41 |

| GRUPPO R           |
|--------------------|
| Polare, non carico |

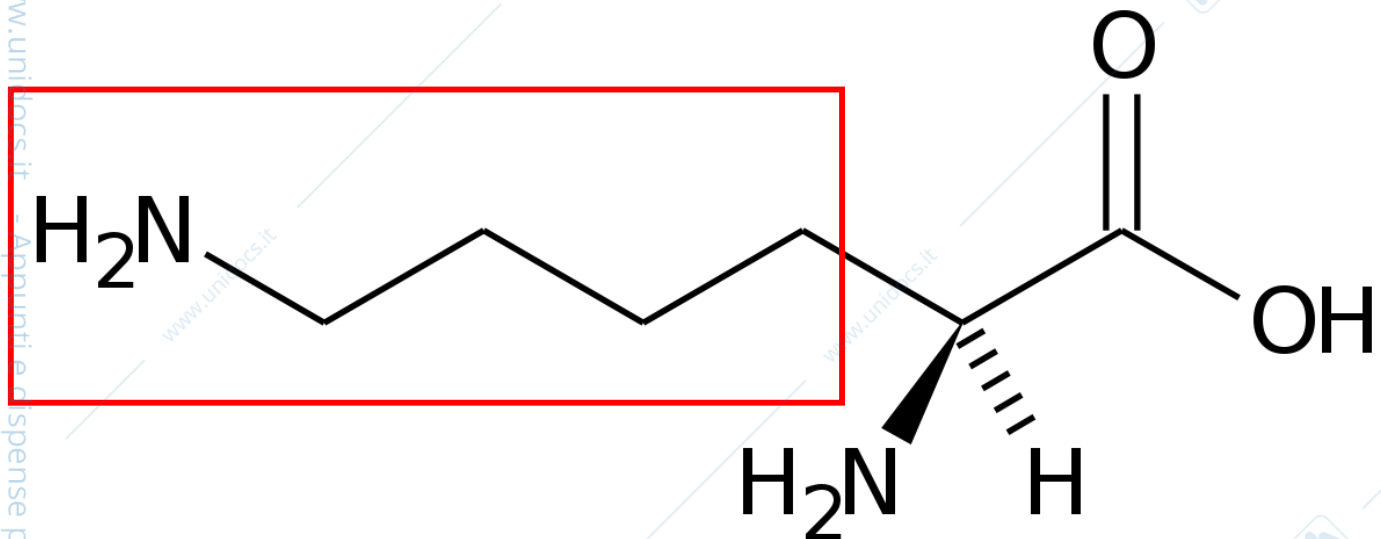
# Glutammina



| NOME       | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|------------|-------|---------|-----------------|-----------------|-----------------|------|
| Glutammina | Gln   | Q       | 2,17            | 9,13            | -               | 5,65 |

| GRUPPO R           |
|--------------------|
| Polare, non carico |

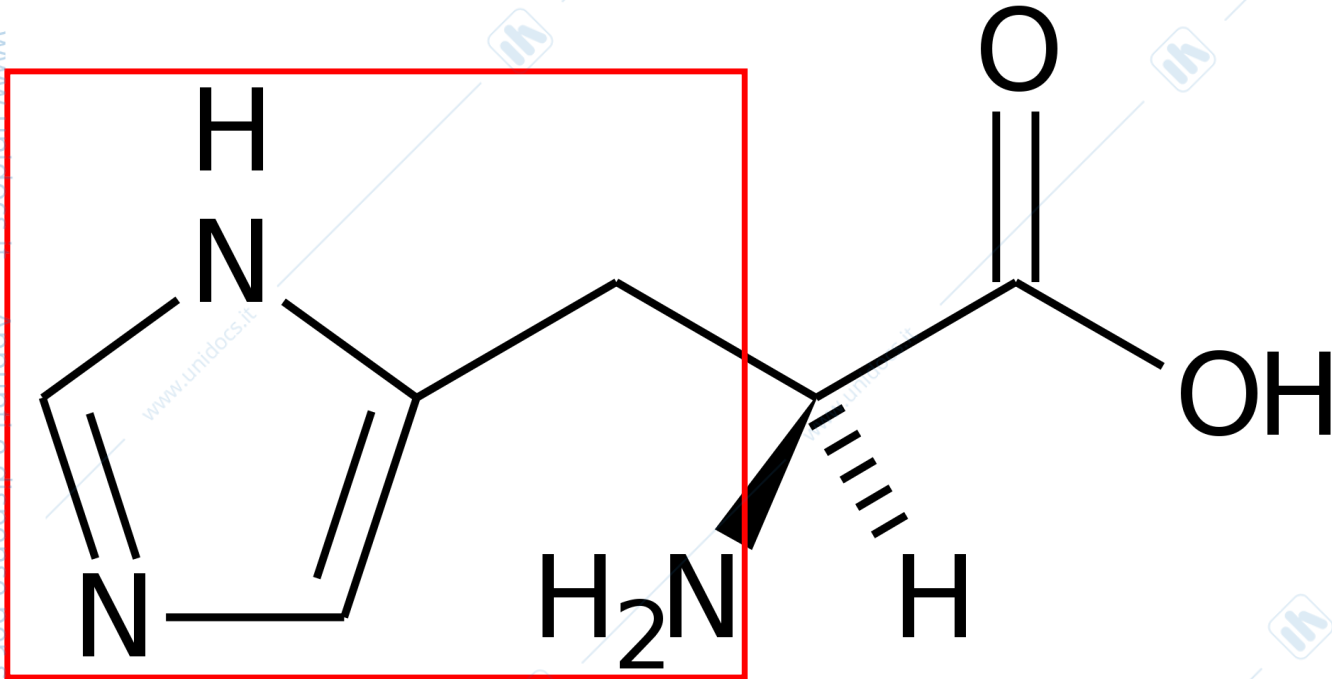
# Lisina



| NOME   | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|--------|-------|---------|-----------------|-----------------|-----------------|------|
| Lisina | Lys   | K       | 2,18            | 8,95            | 10,53           | 9,74 |

| GRUPPO R             |
|----------------------|
| Carico positivamente |

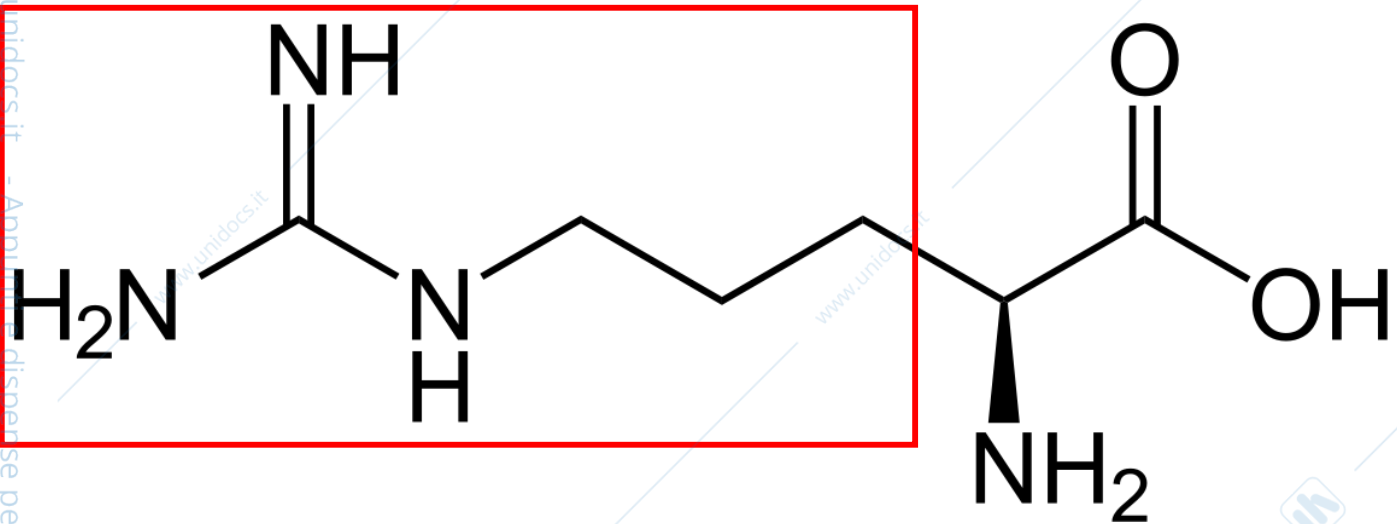
# Istidina



| NOME     | SIGLA | LETTERA | $\text{pK}_1$ | $\text{pK}_2$ | $\text{pK}_R$ | pI   |
|----------|-------|---------|---------------|---------------|---------------|------|
| Istidina | His   | H       | 1,82          | 9,17          | 6,00          | 7,59 |

| GRUPPO R             |
|----------------------|
| Carico positivamente |

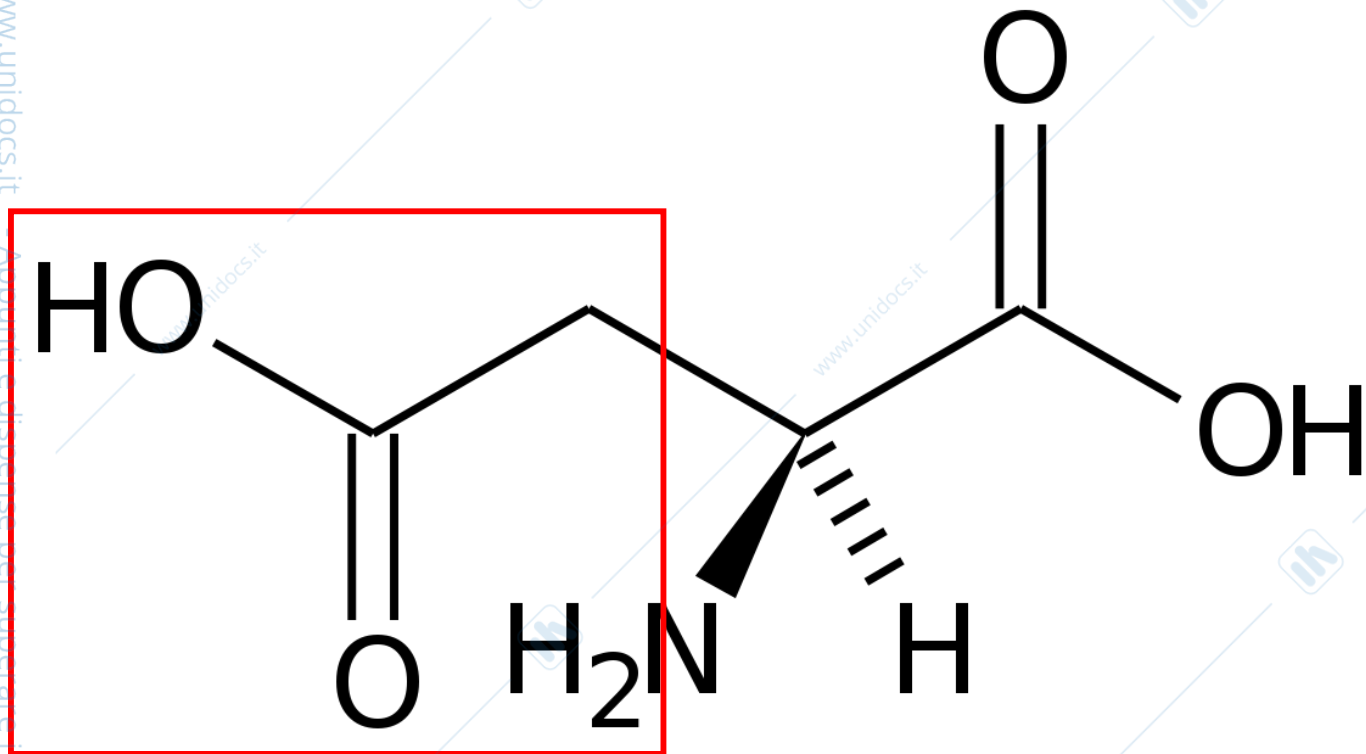
# Arginina



| NOME     | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI    |
|----------|-------|---------|-----------------|-----------------|-----------------|-------|
| Arginina | Arg   | R       | 2,17            | 9,04            | 12,48           | 10,76 |

| GRUPPO R             |
|----------------------|
| Carico positivamente |

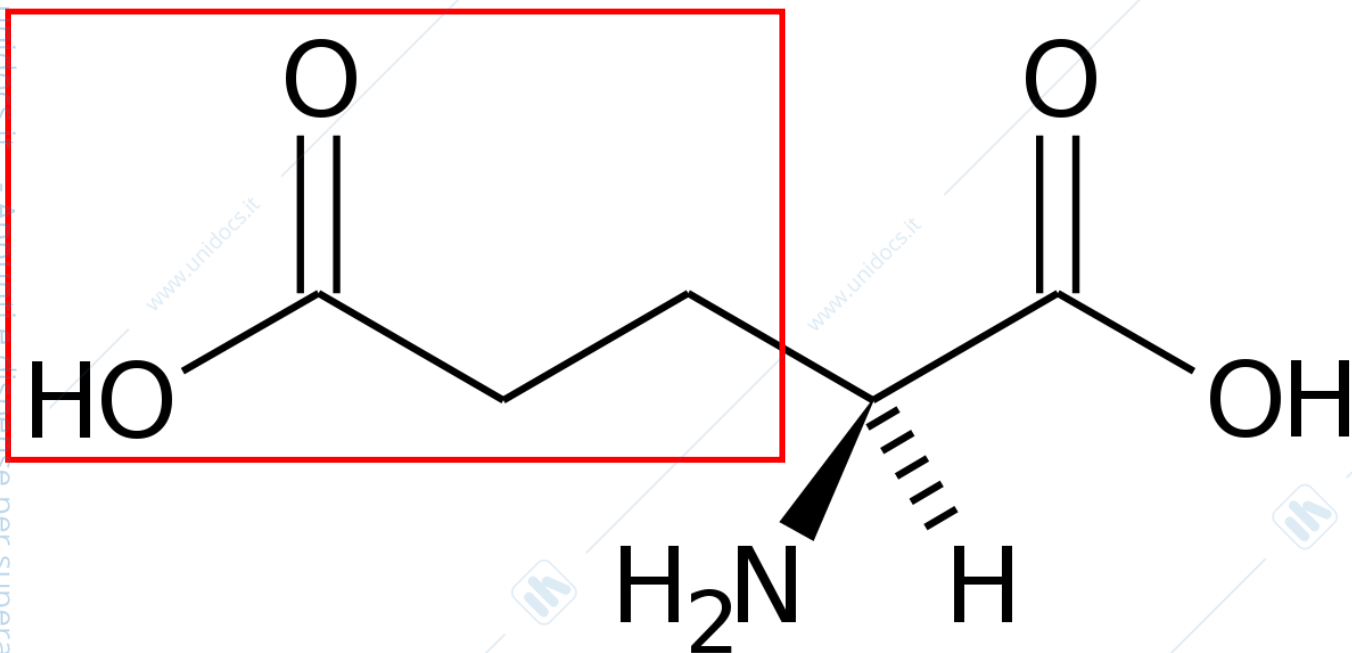
# Aspartato



| NOME      | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|-----------|-------|---------|-----------------|-----------------|-----------------|------|
| Aspartato | Asp   | D       | 1,88            | 9,60            | 3,65            | 2,77 |

| GRUPPO R             |
|----------------------|
| Carico negativamente |

# Glutammato



| NOME       | SIGLA | LETTERA | pK <sub>1</sub> | pK <sub>2</sub> | pK <sub>R</sub> | pI   |
|------------|-------|---------|-----------------|-----------------|-----------------|------|
| Glutammato | Glu   | E       | 2,19            | 9,67            | 4,25            | 3,22 |

| GRUPPO R             |
|----------------------|
| Carico negativamente |