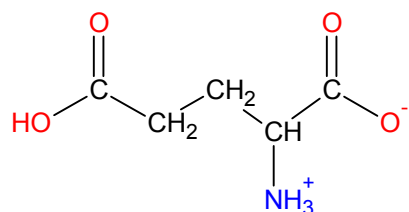
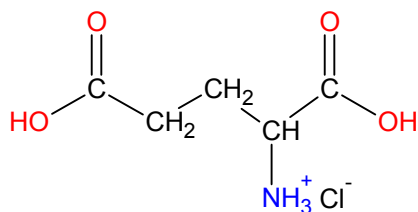


Facitark - strukturformler - bilag til efterbehandling af resultater
Opskriv strukturformler for de aktuelle stoffer:

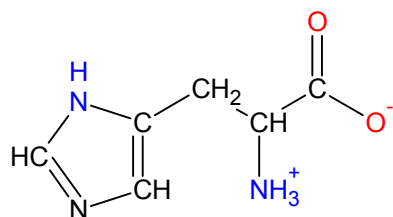
Glutaminsyre



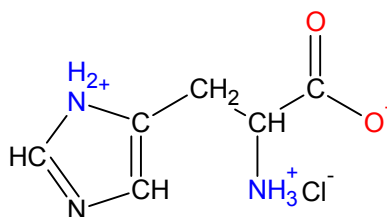
Glutaminsyre-hydrochlorid



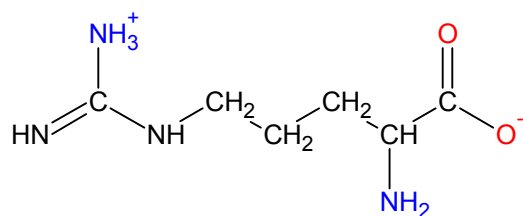
Histidin



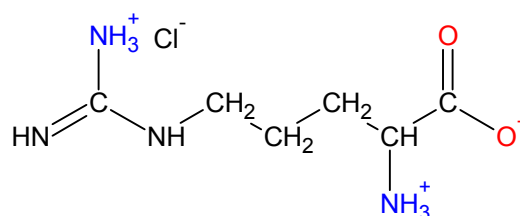
Histidin-monhydrochlorid, monohydrat (monohydrat ikke indtegnet)



Arginin



Arginin-hydrochlorid



Skema over pK_s -værdier fra: "*Proteiner og Enzymer*" af Hanne Hansen, Systime 1994. De andre oplysninger er fundet i det RØDE SIGMA katalog, men kan også findes i Databogen.

Aminosyre	Glutaminsyre	Histidin	Arginin
Molekylformel	$C_5H_9NO_4$	$C_6H_9N_3O_2$	$C_6H_{14}N_4O_2$
Molarmasse g/mol	147,1	155,2	174,2
Tabelværdier			
pK_s (α -COOH)	2,19	1,82	2,17
pK_s (α -NH ₃ ⁺)	9,67	9,17	9,04
pK_s (R-gruppe)	4,25	6,00	12,48
pH _{iso}	3,22	7,59	10,76
Målteværdier			
pK_s (α -COOH)			
pK_s (α -NH ₃ ⁺)			
pK_s (R-gruppe)			
pH _{iso}			
Hydrochlorid	Glutaminsyre-	Histidin-	Arginin-
Molekylformel	$C_5H_9NO_4 \bullet HCl$	$C_6H_9N_3O_2 \bullet HCl \bullet H_2O$	$C_6H_{14}N_4O_2 \bullet HCl$
Molarmasse g/mol (teori)	183,6	209,6	210,7