

# Analytical Biochemistry Services Offered

If you have any questions about the services offered or a custom-designed chemical analysis, please contact:

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## Targeted Metabolomics: Amino acids and fatty acids

Compound Name	Full name
L_Histidine	L_Histidine
L_Lysine	L_Lysine
L_Serine	L_Serine
Beta_Alanine	Beta_Alanine
L_Alanine	L_Alanine
L_Tyrosine	L_Tyrosine
L_Asparagine	L_Asparagine
L_Aspartic acid	L_Aspartic acid
Hippuric acid	Hippuric acid
L_Malic acid	L_Malic acid
Adipic acid	Adipic acid
Indoleacetic acid	Indoleacetic acid
3_Indolepropionic acid	3_Indolepropionic acid
3_Methyl_2_oxovaleric acid	3_Methyl_2_oxovaleric acid
Glycine	Glycine
Glyceric acid	Glyceric acid
L_Proline	L_Proline
Glycolic_acid	Glycolic_acid
p_Cresol_sulfate	p_Cresol_sulfate
Pyroglutamic acid	Pyroglutamic acid
L_Valine	L_Valine
L_Methionine	L_Methionine
L_Leucine	L_Leucine
L_Tryptophan	L_Tryptophan
Cis_Aconitic acid	Cis_Aconitic acid
Methylsuccinic acid	Methylsuccinic acid
Isocitric acid	Isocitric acid
Citric acid	Citric acid
Oxoglutaric acid	Oxoglutaric acid
3_Hydroxybutyric acid	3_Hydroxybutyric acid
C2:0	Acetic acid
C3:0	Propionic acid
3_Hydroxyisovaleric acid	3_Hydroxyisovaleric acid
2_Hydroxybutyric acid	2_Hydroxybutyric acid
Isobutyric acid	Isobutyric acid

C4:0	Butyric acid
Succinic acid	Succinic acid
C5:0	Valeric acid
Suberic acid	Suberic acid
(±)_2_Methylpentanoic acid	(±)_2_Methylpentanoic acid
C6:0	Hexanoic acid
C7:0	Heptanoic acid
C8:0	Caprylic acid
C11:1 cis-10	Undecylenic acid
C10:0	Decanoic acid
C9:0	Pelargonic acid
C11:0	Undecanoic acid
C12:0	Dodecanoic acid
C13:0	Tridecanoic acid
C20:5 cis-5,8,11,14,17	Eicosapentaenoic acid (EPA)
C15:0	Pentadecanoic acid
C18:3 cis-9,12,15	Alpha-Linolenic acid
C18:3 cis-6,9,12	Gamma-Linolenic acid
C14:0	Myristic acid
C22:6 cis-4,7,10,13,16,19	Docosahexaenoic acid
C20:2 cis-11,14	Eicosadienoic acid
C16:1 cis-9	Palmitoleic acid
C20:4 cis-5,8,11,14	Arachidonic acid
C22:5 cis-7,10,13,16,19	Docosapentaenoic acid
C22:5 cis-4,7,10,13,16	Docosapentaenoic acid 99% N-6
C18:2 cis-9,12	Linoleic acid
C17:0	Heptadecanoic acid
C20:3 cis-8,11,14	8,11,14-Eicosatrienoic acid
C17:1 cis-10	10Z-Heptadecenoic acid
C19:2 cis-10,13	10,13 Nonadecadienoic Acid
C16:0	Palmitic acid
C22:4 cis-7,10,13,16	(Adrenic acid)docosatetraenoic acid
C18:1 cis-9	Oleic acid
C18:0	Stearic acid

### Internal standards

L\_Histidine\_d3  
 C16:0\_D31  
 C18:0\_D35  
 D\_Glucose\_C6  
 L\_Tyrosine\_D4  
 L\_valine\_D8  
 Ornithine\_D7  
 L\_Arginine\_15N2  
 L\_Lysine\_D3  
 Glycine\_D5

L\_Alanine\_D4  
L\_Serine\_D3  
L\_threonine\_D2  
L\_Glutamine\_D5  
L\_Methionine\_D4  
L\_Phnylalanine\_D2  
L\_Aspartic acid\_D3  
L\_Tryptophan\_D3  
Leucine\_D2  
L\_Proline\_13C6  
L\_Glutamic acid\_13C6  
Aminocaproic acid\_13C6  
Alpha\_N\_Phnylacetyl\_L\_glutamine\_13C6  
m\_Hydroxyhippuric\_13C6  
Pyroglutamic acid\_13C6  
Carnosine\_13C6  
3\_Pyridylacetic acid\_13C6  
Picolinic acid\_13C6  
Methylcysteine\_13C6  
Phnyllactic acid\_13C6  
L\_Pipecolic acid\_13C6  
Benzoic acid\_13C6  
p\_Hydroxyphenylacetic acid\_13C6  
Cinnamic acid\_13C6  
p\_Hydroxymandelic acid\_13C6  
Phthalic acid\_13C6  
Indoleacetic acid\_13C6  
4\_Hydroxyphenylpyruvic acid\_13C6  
L\_lactic acid\_13C6  
Citric acid\_13C6  
Isobutyric acid\_13C6  
Isovaleric acid\_13C6  
But\_2\_enoic acid\_13C6  
C5:0\_13C6  
3\_Indolepropionic acid\_13C6  
Homovanillic acid\_13C6  
C8:0\_13C6  
Nicotinic acid\_13C6  
Phnylpyruvic acid\_13C6  
Ketoleucine\_13C6  
3\_Hydroxyisovaleric acid\_13C6  
Oxoadipic acid\_13C6  
Sebacic acid\_13C6  
3\_Methyladipic acid\_13C6  
Pimelic acid\_13C6

Glutaric acid\_13C6  
Citramalic acid\_13C6  
Methylglutaric acid\_13C6  
Mandelic acid\_13C6  
alpha\_Hydroxyisobutyric acid\_13C6  
Erythronic acid\_13C6  
Alpha\_ketoisovaleric acid\_13C6  
Citraconic acid\_13C6  
Ethylmethylacetic acid\_13C6  
1\_2\_Methylpentanoic acid\_13C6  
C13:0\_13C6  
C11:1 cis-10\_13C6  
C13:1 cis-12\_13C6  
C9:0\_13C6  
C11:0\_13C6  
C6:0\_13C6  
C4:0\_13C6  
D\_Fructose\_6C13  
D\_Xylose\_13C6  
Threonic acid\_13C6