Analytical Biochemistry Services Offered

If you have any questions about the services offered or a custom-designed chemical analysis, please contact:
Adrian Franke, PhD at adrian@cc.hawaii.edu or (808) 586-3008.

Untargeted Anayses: 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_Phenylalanine_D2
L_Aspartic acid_D3
L_Tryptophan_D3
Leucine_D2
L_Proline_13C6
L_Glutamic acid_13C6
Aminocaproic acid_13C6
Alpha_N_Phenylacetyl_L_glutamine_13C6
m_Hydroxyhippuric_13C6
Pyroglutamic acid_13C6
Carnosine_13C6
3_Pyridylacetic acid_13C6
Picolinic acid_13C6
Methylcysteine_13C6
Phenyllactic 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
Phenylpyruvic 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