

APPENDIX B.- NOMENCLATURE OF COMPOUNDS

CODE	KEGG CODE	NAME
A3IM P	C04411	(2R,3S)-3-Isopropylmalate in <i>P. aeruginosa</i>
AC	C00033	Acetate in <i>P. aeruginosa</i>
AC Cv	C00033	Acetate in <i>C. vulgaris</i>
ACACCOAACP	C05744	Acetoacetyl-[acyl-carrier protein]
ACACP	C03939	Acetyl-[acyl-carrier protein]
ACCOA Cv	C00024	Acetyl coenzyme A in <i>C. vulgaris</i>
ACCOA P	C00024	Acetyl coenzyme A in <i>P. aeruginosa</i>
ACLAC P	C06010	(S)-2-Acetolactate in <i>P. aeruginosa</i>
ACO Cv	C00417	cis-Aconitate in <i>C. vulgaris</i>
ACT Cv	C00084	Acetaldehyde in <i>C. vulgaris</i>
AcylCoA	C00024	Acetyl coenzyme A
ADPGLC P	C00498	Adenosine diphosphoglucose in <i>P. aeruginosa</i>
AIM P	C02504	alpha-Isopropylmalate in <i>P. aeruginosa</i>
AKG Cv	C00026	2-Oxoglutarate in <i>C. vulgaris</i>
AKG P	C00026	2-Oxoglutarate in <i>P. aeruginosa</i>
Ala Cv	C00041	L-Alanine in <i>C. vulgaris</i>
Ala P	C00041	L-Alanine in <i>P. aeruginosa</i>
ALMI c	C00369	Starch in chloroplast
AMP Cv	C00020	Adenosine 5'-monophosphate in <i>C. vulgaris</i>
Arg Cv	C00062	L-Arginine in <i>C. vulgaris</i>
Arg P	C00062	L-Arginine in <i>P. aeruginosa</i>
ARO Cv	C00826	L-Aroenate in <i>C. vulgaris</i>
Aser Cv	C00979	O-Acetyl-L-serine in <i>C. vulgaris</i>
Asn P	C00152	L-Asparagine in <i>P. aeruginosa</i>
Asp Cv	C00049	L-Aspartate in <i>C. vulgaris</i>
Asp P	C00049	L-Aspartate in <i>P. aeruginosa</i>
ASPSALD	C00441	L-Aspartate 4-semialdehyde in <i>P. aeruginosa</i>
ASPSALD Cv	C00441	L-Aspartate 4-semialdehyde in <i>C. vulgaris</i>
ATP Cv	C00002	Adenosine 5'-triphosphate in <i>C. vulgaris</i>
ATP P	C00002	Adenosine 5'-triphosphate in <i>P. aeruginosa</i>
BACP	C05745	Butyryl-[acyl-carrier protein]
BIO Cv		Biomass of <i>Chlorella vulgaris</i>
BIO P		Biomass of <i>Pseudomonas aeruginosa</i>
C14:0CoA	C02593	Tetradecanoyl-CoA
C14OFS	C06424	Tetradecanoic acid
C16:0CoA	C00154	Palmitoyl-CoA
C16:1CoA	C08362	Palmitoleic acid
C16:2CoA	C05272	trans-2-Hexadecenoyl-CoA

C16:3CoA	C05258	(S)-3-Hydroxyhexadecanoyl-CoA
C18:0CoA	C00412	Stearoyl-CoA
C18:1CoA	C00712	(9Z)-Octadecenoic acid
C18:2CoA	C02050	Linoleoyl-CoA
C18:3CoA	C16162	alpha-Linolenoyl-CoA
Ca	C00076	Calcium cation
CARBH		Total carbohydrates
CD5P Cv	C01302	1-(2-Carboxyphenylamino)-1-deoxy-D-ribulose 5-phosphate
CDPETH	C00570	Cytidine diphosphate ethanolamine
CHL	C01793	Chlorophyll
Chla	C05306	Chlorophyll a
Chlb	C05307	Chlorophyll b
CHOR	C00251	Chorismate in <i>P. aeruginosa</i>
CHOR Cv	C00251	Chorismate in <i>C. vulgaris</i>
CIT Cv	C00158	Citrate in <i>C. vulgaris</i>
CIT P	C00158	Citrate in <i>P. aeruginosa</i>
CMP Cv	C00055	Cytidine-5'-monophosphate in <i>C. vulgaris</i>
CMPKDO	N/A	Cisteina monofosfato 2-alfa-desoxioctanoato
CO2 Cv	C00011	Carbon dioxide in <i>C. vulgaris</i>
CO2 P	C00011	Carbon dioxide in <i>P. aeruginosa</i>
CO2ext	C00011	External carbon dioxide
Cu	C00070	Copper
Cys Cv	C00097	L-Cysteine in <i>C. vulgaris</i>
Cys P	C00097	L-Cysteine in <i>P. aeruginosa</i>
D3HBACP	C04618	(3R)-3-Hydroxybutanoyl-[acyl-carrier protein]
D3HDACP	C16220	(R)-3-Hydroxyoctadecanoyl-[acp]
D3HDCOA	C05264	(S)-Hydroxydecanoyl-CoA
D3HDODACP	C05757	(R)-3-Hydroxydodecanoyl-[acp]
D3HDODCOA	C05262	(S)-3-Hydroxydodecanoyl-CoA
D3HHXACP	C05747	(R)-3-Hydroxyhexanoyl-[acp]
D3HOACP	C04620	(3R)-3-Hydroxyoctanoyl-[acyl-carrier protein]
D3HOCOA	C05266	(S)-3-Hydroxyoctanoyl-CoA
DACP	C05755	Decanoyl-[acyl-carrier protein]
DAHP Cv	C04691	2-Dehydro-3-deoxy-D-arabino-heptonate 7-phosphate in <i>C. vulgaris</i>
dAMP Cv	C00360	2'-Deoxyadenosine 5'-phosphate in <i>C. vulgaris</i>
DAP c	C00111	Glycerone phosphate in chloroplast
DAP Cv	C00111	Glycerone phosphate in <i>C. vulgaris</i>
DAP P	C00111	Glycerone phosphate in <i>P. aeruginosa</i>
dATP	C00131	2'-Deoxyadenosine 5'-triphosphate
dCMP Cv	C00239	Deoxycytidylic acid in <i>C. vulgaris</i>
dCTP	C00458	Deoxycytidine 5'-triphosphate

dGMP Cv	C00362	2'-Deoxyguanosine 5'-monophosphate in <i>C. vulgaris</i>
dGTP	C00286	2'-Deoxyguanosine 5'-triphosphate
DHQ Cv	C00944	3-Dehydroquininate in <i>C. vulgaris</i>
DHSK Cv	C02637	3-Dehydroshikimate in <i>C. vulgaris</i>
DIAMPIM	C00666	LL-2,6-Diaminoheptanedioate
DIAMPIM Cv	C00666	LL-2,6-Diaminoheptanedioate in <i>C. vulgaris</i>
DNA Cv	C00039	Deoxyribonucleic acid of <i>C. vulgaris</i>
dTMP Cv	C00364	Thymidine 5'-phosphate in <i>C. vulgaris</i>
dTTP	C11437	1-Deoxy-D-xylulose 5-phosphate
E4P c	C00279	D-Erythrose 4-phosphate in chloroplast
E4P Cv	C00279	D-Erythrose 4-phosphate in <i>C. vulgaris</i>
E4P P	C00279	D-Erythrose 4-phosphate in <i>P. aeruginosa</i>
EN6 Cv	C15972	Enzyme N6-(lipoyl)lysine in <i>C. vulgaris</i>
EN6 P	C15972	Enzyme N6-(lipoyl)lysine in <i>P. aeruginosa</i>
EN6d Cv	C15973	Enzyme N6-(dihydrolipoyl)lysine in <i>C. vulgaris</i>
EN6d P	C15973	Enzyme N6-(dihydrolipoyl)lysine in <i>P. aeruginosa</i>
EN6s	C15972	Lipoamide-E
F6P c	C05345	beta-D-Fructose 6-phosphate in chloroplast
F6P Cv	C05345	beta-D-Fructose 6-phosphate in <i>C. vulgaris</i>
F6P P	C05345	beta-D-Fructose 6-phosphate in <i>P. aeruginosa</i>
FDP c	C05378	beta-D-Fructose 1,6-bisphosphate in chloroplast
FDP Cv	C05378	beta-D-Fructose 1,6-bisphosphate in <i>C. vulgaris</i>
FDP P	C05378	beta-D-Fructose 1,6-bisphosphate in <i>P. aeruginosa</i>
Fe	C00023	Iron
FUM Cv	C00122	Fumarate in <i>C. vulgaris</i>
FUM P	C00122	Fumarate in <i>P. aeruginosa</i>
G15L6P Cv	C01236	D-Glucono-1,5-lactone 6-phosphate in <i>C. vulgaris</i>
G15L6P P	C01236	D-Glucono-1,5-lactone 6-phosphate in <i>P. aeruginosa</i>
G3P c	C00118	D-Glyceraldehyde 3-phosphate in chloroplast
G3P Cv	C00118	D-Glyceraldehyde 3-phosphate in <i>C. vulgaris</i>
G3P P	C00118	D-Glyceraldehyde 3-phosphate in <i>P. aeruginosa</i>
G6P c	C00668	alpha-D-Glucose 6-phosphate in chloroplast
G6P Cv	C00668	alpha-D-Glucose 6-phosphate in <i>C. vulgaris</i>
G6P P	C00668	alpha-D-Glucose 6-phosphate in <i>P. aeruginosa</i>
GL6P Cv	C00345	6-Phospho-D-gluconate in <i>C. vulgaris</i>
GL6P P	C00345	6-Phospho-D-gluconate in <i>P. aeruginosa</i>
GLC Cv	C00267	alpha-D-Glucose in <i>C. vulgaris</i>
GLC P	C00267	alpha-D-Glucose in <i>P. aeruginosa</i>
GLCext	C00267	External alpha-D-Glucose
Gln Cv	C00064	L-Glutamine in <i>C. vulgaris</i>
Gln P	C00064	L-Glutamine in <i>P. aeruginosa</i>

Glu Cv	C00025	L-Glutamate in <i>C. vulgaris</i>
Glu P	C00025	L-Glutamate in <i>P. aeruginosa</i>
Gly Cv	C00037	Glycine in <i>C. vulgaris</i>
Gly P	C00037	Glycine in <i>P. aeruginosa</i>
GLYOx	C00048	Glyoxylate
GMP Cv	C00144	Guanosine 5'-phosphate in <i>C. vulgaris</i>
H Cv	C00080	Hydron in <i>C. vulgaris</i>
H m	C00080	Hydron in mitochondria
H P	C00080	Hydron in <i>P. aeruginosa</i>
HCO3 Cv	C00288	Bicarbonate in <i>C. vulgaris</i>
HHXACP	C05749	Hexanoyl-[acyl-carrier protein]
His Cv	C00135	L-Histidine in <i>C. vulgaris</i>
His P	C00135	L-Histidine in <i>P. aeruginosa</i>
Hser Cv	C00263	L-Homoserine in <i>C. vulgaris</i>
Hser P	C00263	L-Homoserine in <i>P. aeruginosa</i>
HTHP Cv	C03972	2,3,4,5-Tetrahydrodipicolinate in <i>C. vulgaris</i>
I3GP Cv	C03506	Indoleglycerol phosphate in <i>C. vulgaris</i>
ICIT Cv	C00311	Isocitrate in <i>C. vulgaris</i>
ICIT P	C00311	Isocitrate in <i>P. aeruginosa</i>
Iso Cv	C00123	L-Leucine in <i>C. vulgaris</i>
Iso P	C00123	L-Leucine in <i>P. aeruginosa</i>
K	C00238	Potassium cation
Leu Cv	C16439	Leucine in <i>C. vulgaris</i>
Leu P	C16439	Leucine in <i>P. aeruginosa</i>
LIPID		Lípidos totales
Lys Cv	C00047	L-Lysine in <i>C. vulgaris</i>
Lys P	C00047	L-Lysine in <i>P. aeruginosa</i>
M2OX P	C00233	4-Methyl-2-oxopentanoate in <i>P. aeruginosa</i>
MAL Cv	C00149	(S)-Malate in <i>C. vulgaris</i>
MAL P	C00149	(S)-Malate in <i>P. aeruginosa</i>
MALACP	C01209	Malonyl-[acyl-carrier protein]
MALCOA	C00083	Malonyl coenzyme A
MALT Cv	C00208	Maltose in <i>C. vulgaris</i>
MALT P	C00208	Maltose in <i>P. aeruginosa</i>
MALText	C00208	External maltose
MDIAMPIM Cv	C00680	meso-2,6-Diaminoheptanedioate
Met Cv	C00073	L-Methionine in <i>C. vulgaris</i>
Met P	C00073	L-Methionine in <i>P. aeruginosa</i>
Mg	C00305	Magnesium cation
MITFS		Fatty acids comprised between 16 and 18 carbon atoms
Mn	C00034	Manganese

MTHF	C00143	5,10-Methylenetetrahydrofolate
NADH Cv	C00004	Reduced nicotinamide adenine dinucleotide in <i>C. vulgaris</i>
NADH P	C00004	Reduced nicotinamide adenine dinucleotide in <i>P. aeruginosa</i>
NADPH Cv	C00005	Reduced nicotinamide adenine dinucleotide phosphate in <i>C. vulgaris</i>
NADPH P	C00005	Reduced nicotinamide adenine dinucleotide phosphate in <i>P. aeruginosa</i>
NDPHEP		Mannoheptose diphosphate nucleotide
NH3 Cv	C00014	Ammonia in <i>C. vulgaris</i>
NH3 P	C00014	Ammonia in <i>P. aeruginosa</i>
NH3ext	C00014	External ammonia
NO3ext	C00244	External nitrate
O2 Cv	C00007	Oxygen in <i>C. vulgaris</i>
O2 P	C00007	Oxygen in <i>P. aeruginosa</i>
O2ext	C00007	External oxygen
OA Cv	C00036	Oxaloacetate in <i>C. vulgaris</i>
OA P	C00036	Oxaloacetate in <i>P. aeruginosa</i>
OACP	C05752	Octanoyl-[acyl-carrier protein]
OAS P	C05379	Oxalosuccinate in <i>P. aeruginosa</i>
OHMYRAC	C04688	(3R)-3-Hydroxytetradecanoyl-[acyl-carrier protein]
OXOB P	C00141	3-Methyl-2-oxobutanoic acid in <i>P. aeruginosa</i>
Pasp Cv	C03082	4-Phospho-L-aspartate in <i>C. vulgaris</i>
PC Cv	C00157	Phosphatidylcholine in <i>C. vulgaris</i>
PE Cv	C00350	Phosphatidylethanolamine in <i>C. vulgaris</i>
PEP Cv	C00074	Phosphoenolpyruvate in <i>C. vulgaris</i>
PEP P	C00074	Phosphoenolpyruvate in <i>P. aeruginosa</i>
PG Cv	C00344	Phosphatidylglycerol in <i>C. vulgaris</i>
PG13 c	C00236	3-Phospho-D-glyceroyl phosphate in chloroplast
PG13 Cv	C00236	3-Phospho-D-glyceroyl phosphate in <i>C. vulgaris</i>
PG13 P	C00236	3-Phospho-D-glyceroyl phosphate in <i>P. aeruginosa</i>
PG2 Cv	C00631	2-Phospho-D-glycerate in <i>C. vulgaris</i>
PG2 P	C00631	2-Phospho-D-glycerate in <i>P. aeruginosa</i>
PG3 c	C00197	3-Phospho-D-glycerate in chloroplast
PG3 Cv	C00197	3-Phospho-D-glycerate in <i>C. vulgaris</i>
PG3 P	C00197	3-Phospho-D-glycerate in <i>P. aeruginosa</i>
PHAs		Poly (3-hydroxyalkanoates)
PHAsext		External poly (3-hydroxyalkanoates)
PHD		Poly (3-hydroxydecanoate)
PHDOD		Poly (3-hydroxydecanoate)
Phe Cv	C00079	L-Phenylalanine in <i>C. vulgaris</i>
Phe P	C00079	L-Phenylalanine in <i>P. aeruginosa</i>
Pho		Photon
PHO		Poly (3-hydroxyoctanoate)

PHser Cv	C01102	O-Phospho-L-homoserine in <i>C. vulgaris</i>
Pi Cv	C06262	Phosphorus in <i>C. vulgaris</i>
Pi P	C06262	Phosphorus in <i>P. aeruginosa</i>
Piext	C06262	External phosphorus
PO4 Cv	C00009	Phosphate in <i>C. vulgaris</i>
PO4ext	C00009	External phosphate
PP3 Cv	C03232	3-Phosphonooxypyruvate in <i>C. vulgaris</i>
PRE Cv	C00254	Prephenate in <i>C. vulgaris</i>
PRO Cv		Total protein in <i>C. vulgaris</i>
Pro P	C00148	L-Proline in <i>P. aeruginosa</i>
Prol Cv	C00148	L-Proline in <i>C. vulgaris</i>
PRPP	C00119	5-Phospho-alpha-D-ribose 1-diphosphate
PRPP Cv	C00119	5-Phospho-alpha-D-ribose 1-diphosphate in <i>C. vulgaris</i>
Pser Cv	C01005	O-Phospho-L-serine in <i>C. vulgaris</i>
PYR Cv	C00022	Pyruvate in <i>C. vulgaris</i>
PYR P	C00022	Pyruvate in <i>P. aeruginosa</i>
QH P	C15603	Hydroquinone in <i>P. aeruginosa</i>
QH2 P	C00390	Ubiquinol in <i>P. aeruginosa</i>
R5P c	C00117	D-Ribose 5-phosphate in chloroplast
R5P Cv	C00117	D-Ribose 5-phosphate in <i>C. vulgaris</i>
R5P P	C00117	D-Ribose 5-phosphate in <i>P. aeruginosa</i>
RATP		Adenosine triphosphate ribonucleotide
RCTP		Cytosine triphosphate ribonucleotide
RGTP		Guanine triphosphate ribonucleotide
RL5P c	C00199	D-Ribulose 5-phosphate in chloroplast
RL5P Cv	C00199	D-Ribulose 5-phosphate in <i>C. vulgaris</i>
RL5P P	C00199	D-Ribulose 5-phosphate in <i>P. aeruginosa</i>
RNA Cv	C00046	Ribonucleic acid of <i>C. vulgaris</i>
RuBP c	C01182	D-Ribulose 1,5-bisphosphate in chloroplast
RUTP		Uridine triphosphate ribonucleotide
S P	C00087	Sulfur in <i>P. aeruginosa</i>
S17P c	C00447	Sedoheptulose 1,7-bisphosphate in chloroplast
S7P c	C05382	Sedoheptulose 7-phosphate in chloroplast
S7P Cv	C05382	Sedoheptulose 7-phosphate in <i>C. vulgaris</i>
S7P P	C05382	Sedoheptulose 7-phosphate in <i>P. aeruginosa</i>
Ser Cv	C00065	L-Serine in <i>C. vulgaris</i>
Ser P	C00065	L-Serine in <i>P. aeruginosa</i>
Shi Cv	C00493	Shikimate in <i>C. vulgaris</i>
Shi35P Cv	C01269	5-O-(1-Carboxyvinyl)-3-phosphoshikimate in <i>C. vulgaris</i>
Shi3P Cv	C03175	Shikimate 3-phosphate in <i>C. vulgaris</i>
sHTHP Cv	C20258	(2S,4S)-4-Hydroxy-2,3,4,5-tetrahydrodipicolinate in <i>C. vulgaris</i>

SO4 Cv	C00059	Sulfate in <i>C. vulgaris</i>
SO4 P	C00059	Sulfate in <i>P. aeruginosa</i>
SO4ext	C00059	External sulfate
SSE Cv	C16255	[Dihydrolipoyllysine-residue acetyltransferase] S-acetyldihydrolipoyllysine in <i>C. vulgaris</i>
SSE P	C16255	[Dihydrolipoyllysine-residue acetyltransferase] S-acetyldihydrolipoyllysine in <i>P. aeruginosa</i>
SUC Cv	C00042	Succinate in <i>C. vulgaris</i>
SUC P	C00042	Succinate in <i>P. aeruginosa</i>
SUCCOA Cv	C00091	Succinyl-CoA in <i>C. vulgaris</i>
SUCCOA P	C00091	Succinyl-CoA in <i>P. aeruginosa</i>
T P	C01083	Trehalose in <i>P. aeruginosa</i>
T2hPP Cv	C05125	2-(alpha-Hydroxyethyl)thiamine diphosphate in <i>C. vulgaris</i>
T2hPP P	C05125	2-(alpha-Hydroxyethyl)thiamine diphosphate in <i>P. aeruginosa</i>
T3hPP Cv	C05381	3-Carboxy-1-hydroxypropyl-ThPP in <i>C. vulgaris</i>
T3hPP P	C05381	3-Carboxy-1-hydroxypropyl-ThPP in <i>P. aeruginosa</i>
TAG Cv	C00422	Triacylglycerol in <i>C. vulgaris</i>
TDPGLCS		Thymidine-5-diphosphate glucosamine
Thr Cv	C00188	L-Threonine in <i>C. vulgaris</i>
Thr P	C00188	L-Threonine in <i>P. aeruginosa</i>
TPP Cv	C00068	Thiamin diphosphate in <i>C. vulgaris</i>
TPP P	C00068	Thiamin diphosphate in <i>P. aeruginosa</i>
Trp Cv	C00525	D-Tryptophan in <i>C. vulgaris</i>
Trp P	C00525	D-Tryptophan in <i>P. aeruginosa</i>
Tyr Cv	C00082	L-Tyrosine in <i>C. vulgaris</i>
Tyr P	C00082	L-Tyrosine in <i>P. aeruginosa</i>
UDPGAL Cv	C00052	UDP-alpha-D-galactose in <i>C. vulgaris</i>
UDPGLC	C00029	UDP-glucose
UDPGLC Cv	C00029	UDP-glucose in <i>C. vulgaris</i>
UDPNAG Cv	C02200	UDP-glucosamine in <i>C. vulgaris</i>
UDPNAG P	C02200	UDP-glucosamine in <i>P. aeruginosa</i>
UDPNAM P	C01050	UDP-N-acetylmuramate in <i>P. aeruginosa</i>
UMP Cv	C00105	Uridine monophosphate in <i>C. vulgaris</i>
Val Cv	C00183	L-Valine in <i>C. vulgaris</i>
Val P	C00183	L-Valine in <i>P. aeruginosa</i>
VL1 Cv	C00108	Anthranilate in <i>C. vulgaris</i>
VL15P Cv	C04302	N-(5-Phospho-D-ribosyl)anthranilate in <i>C. vulgaris</i>
X5P c	C00231	D-Xylulose 5-phosphate in chloroplast
X5P Cv	C00231	D-Xylulose 5-phosphate in <i>C. vulgaris</i>
X5P P	C00231	D-Xylulose 5-phosphate in <i>P. aeruginosa</i>
Zn	C00038	Zinc