

Abbreviation	Metabolite
13GLUCAN	1,3-beta-D-Glucan
13PDG	3-Phospho-D-glyceroyl phosphate
23DAACP	2,3-Dehydroacyl-[acyl-carrier-protein]
23PDG	2,3-Bisphospho-D-glycerate
2HDACP	Hexadecenoyl-[acp]
2MANPD	("alpha"-D-mannosyl)(,2)-"beta"-D-mannosyl-diacetylchitobiosyldiphosphod olichol
2N6H	2-Nonaprenyl-6-hydroxyphenol
2NMHMB	3-Demethylubiquinone-9
2NMHMBm	3-Demethylubiquinone-9M
2NPMBm	2-Nonaprenyl-6-methoxy-1,4-benzoquinoneM
2NPMMBm	2-Nonaprenyl-3-methyl-6-methoxy-1,4-benzoquinoneM
2NPMP	2-Nonaprenyl-6-methoxyphenol
2NPMPm	2-Nonaprenyl-6-methoxyphenolM
2NPPP	2-Nonaprenylphenol
2PG	2-Phospho-D-glycerate
3DDAH7P	2-Dehydro-3-deoxy-D-arabino-heptonate 7-phosphate
3HPACP	(3R)-3-Hydroxypalmitoyl-[acyl-carrier protein]
3PG	3-Phospho-D-glycerate
3PSER	3-Phosphoserine
3PSME	5-O-(1-Carboxyvinyl)-3-phosphoshikimate
4HBZ	4-Hydroxybenzoate
4HLT	4-Hydroxy-L-threonine
4HPP	3-(4-Hydroxyphenyl)pyruvate
4PPNCYS	(R)-4'-Phosphopantothenoyl-L-cysteine
4PPNTE	Pantetheine 4'-phosphate
4PPNTEm	Pantetheine 4'-phosphateM
4PPNTO	D-4'-Phosphopantothenate
5MTA	5'-Methylthioadenosine
6DGLC	D-Gal alpha 1->6D-Glucose
A6RP	5-Amino-6-ribitylamino-2,4 (1H, 3H)-pyrimidinedione
A6RP5P	5-Amino-6-(5'-phosphoribosylamino)uracil
A6RP5P2	5-Amino-6-(5'-phosphoribitylamino)uracil
AACCOA	Acetoacetyl-CoA
AACP	Acyl-[acyl-carrier-protein]
AATRE6P	alpha, alpha'-Trehalose 6-phosphate
ABUTm	2-Aceto-2-hydroxy butyrateM
AC	Acetate
ACACP	Acyl-[acyl-carrier protein]
ACACPm	Acyl-[acyl-carrier protein]M
ACAL	Acetaldehyde
ACALm	AcetaldehydeM
ACAR	O-Acetylcarnitine
ACARm	O-AcetylcarnitineM
ACCOA	Acetyl-CoA
ACCOAm	Acetyl-CoAM
ACLAC	2-Acetolactate
ACLACm	2-AcetolactateM
ACm	AcetateM
ACNL	3-Indoleacetonitrile
ACOA	Acyl-CoA
ACP	Acyl-carrier protein
ACPm	Acyl-carrier proteinM
ACTAC	Acetoacetate
ACTACm	AcetoacetateM
ACYBUT	gamma-Amino-gamma-cyanobutanoate
AD	Adenine
ADCHOR	4-amino-4-deoxychorismate
ADm	AdenineM
ADN	Adenosine
ADNm	AdenonsineM
ADP	ADP
ADPm	ADPM
ADPRIB	ADPRibose
ADPRIBm	ADPRiboseM
AGL3P	Acyl-sn-glycerol 3-phosphate
AHHMD	2-Amino-7,8-dihydro-4-hydroxy-6-(diphosphooxymethyl)pteridine
AHHMP	2-Amino-4-hydroxy-6-hydroxymethyl-7,8-dihydropteridine
AHM	4-Amino-5-hydroxymethyl-2-methylpyrimidine
AHMP	4-Amino-2-methyl-5-phosphomethylpyrimidine
AHMPP	2-Methyl-4-amino-5-hydroxymethylpyrimidine diphosphate
AHTD	2-Amino-4-hydroxy-6-(erythro-1,2,3-trihydroxypropyl)-dihydropteridine triphosphate
AICAR	1-(5'-Phosphoribosyl)-5-amino-4-imidazolecarboxamide
AIR	Aminoimidazole ribotide

AKA	2-Oxoadipate
AKAm	2-OxoadipateM
AKG	2-Oxoglutarate
AKGm	2-OxoglutarateM
AKP	2-Dehydropantoate
AKPm	2-DehydropantoateM
ALA	L-Alanine
ALAGLY	R-S-Alanylglycine
ALAm	L-AlanineM
ALAV	5-Aminolevulinate
ALAVm	5-AminolevulinateM
ALTRNA	L-Arginyl-tRNA(Arg)
AM6SA	2-Aminomuconate 6-semialdehyde
AMA	L-2-Amino adipate
AMASA	L-2-Amino adipate 6-semialdehyde
AMG	Methyl-D-glucoside
AMP	AMP
AMPm	AMPM
AMUCO	2-Aminomuconate
AN	Anthranilate
AONA	8-Amino-7-oxononanoate
APEP	Nalpha-Acetylpeptide
APROA	3-Aminopropanal
APROP	alpha-Aminopropiononitrile
APRUT	N-Acetylputrescine
APS	Adenylylsulfate
ARAB	D-Arabinose
ARABLAC	D-Arabinono-1,4-lactone
ARG	L-Arginine
ARGSUCC	N-(L-Arginino)succinate
ASER	O-Acetyl-L-serine
ASN	L-Asparagine
ASP	L-Aspartate
ASPERMD	N1-Acetylspermidine
ASPm	L-AspartateM
ASPRM	N1-Acetylspermine
ASPSA	L-Aspartate 4-semialdehyde
ASPTRNA	L-Asparaginyl-tRNA(Asn)
ASPTRNAm	L-Asparaginyl-tRNA(Asn)M
ASUC	N6-(1,2-Dicarboxyethyl)-AMP
AT3P2	Acyldihydroxyacetone phosphate
ATN	Allantoin
ATP	ATP
ATPm	ATPM
ATRNA	tRNA(Arg)
ATRP	P1,P4-Bis(5'-adenosyl) tetraphosphate
ATT	Allantoate
bALA	beta-Alanine
BASP	4-Phospho-L-aspartate
bDG6P	beta-D-Glucose 6-phosphate
bDGLC	beta-D-Glucose
BIO	Biotin
BT	Biotin
C100ACP	Decanoyl-[acp]
C120ACP	Dodecanoyl-[acyl-carrier protein]
C120ACPm	Dodecanoyl-[acyl-carrier protein]M
C140	Myristic acid
C140ACP	Myristoyl-[acyl-carrier protein]
C140ACPm	Myristoyl-[acyl-carrier protein]M
C141ACP	Tetradecenoyl-[acyl-carrier protein]
C141ACPm	Tetradecenoyl-[acyl-carrier protein]M
C160	Palmitate
C160ACP	Hexadecanoyl-[acp]
C160ACPm	Hexadecanoyl-[acp]M
C161	1-Hexadecene
C161ACP	Palmitoyl-[acyl-carrier protein]
C161ACPm	Palmitoyl-[acyl-carrier protein]M
C16A	C16_aldehydes
C180	Stearate
C180ACP	Stearoyl-[acyl-carrier protein]
C180ACPm	Stearoyl-[acyl-carrier protein]M
C181	1-Octadecene
C181ACP	Oleoyl-[acyl-carrier protein]
C181ACPm	Oleoyl-[acyl-carrier protein]M

C182ACP	Linolenoyl-[acyl-carrier protein]
C182ACPm	Linolenoyl-[acyl-carrier protein]M
CAASP	N-Carbamoyl-L-aspartate
CAIR	1-(5-Phospho-D-ribose)-5-amino-4-imidazolecarboxylate
CALH	2-(3-Carboxy-3-aminopropyl)-L-histidine
cAMP	3',5'-Cyclic AMP
CAP	Carbamoyl phosphate
CAR	Carnitine
CARm	CarnitineM
CBHCAP	3-Isopropylmalate
CBHCAPm	3-IsopropylmalateM
cCMP	3',5'-Cyclic CMP
cdAMP	3',5'-Cyclic dAMP
CDP	CDP
CDPCHO	CDPcholine
CDPDG	CDPdiacylglycerol
CDPDGm	CDPdiacylglycerolM
CDPETN	CDPethanolamine
CER2	Ceramide-2
CER3	Ceramide-3
CGLY	Cys-Gly
cGMP	3',5'-Cyclic GMP
CHCOA	6-Carboxyhexanoyl-CoA
CHIT	Chitin
CHITO	Chitosan
CHO	Choline
CHOR	Chorismate
cIMP	3',5'-Cyclic IMP
CIT	Citrate
CITm	CitrateM
CITR	L-Citrulline
CLm	CardiolipinM
CMP	CMP
CMPm	CMPM
CMUSA	2-Amino-3-carboxymuconate semialdehyde
CO2	CO2
CO2m	CO2M
COA	CoA
COAm	CoAM
CPAD5P	1-(2-Carboxyphenylamino)-1-deoxy-D-ribulose 5-phosphate
CPP	Coproporphyrinogen
CTP	CTP
CTPm	CTPM
CYS	L-Cysteine
CYTD	Cytidine
CYTS	Cytosine
D45PI	1-Phosphatidyl-D-myo-inositol 4,5-bisphosphate
D6PGC	6-Phospho-D-gluconate
D6PGL	D-Glucono-1,5-lactone 6-phosphate
D6RP5P	2,5-Diamino-6-hydroxy-4-(5'-phosphoribosylamino)-pyrimidine
D8RL	6,7-Dimethyl-8-(1-D-ribityl)lumazine
DA	Deoxyadenosine
DADP	dADP
DAGLY	Diacylglycerol
DAMP	dAMP
dAMP	dAMP
DANNA	7,8-Diaminononanoate
DAPRP	1,3-Diaminopropane
DATP	dATP
DB4P	L-3,4-Dihydroxy-2-butanone 4-phosphate
DC	Deoxycytidine
DCDP	dCDP
DCMP	dCMP
DCTP	dCTP
DFUC	alpha-D-Fucose
DG	Deoxyguanosine
DGDP	dGDP
DGMP	dGMP
DGPP	Diacylglycerol pyrophosphate
DGTP	dGTP
DHF	Dihydrofolate
DHFm	DihydrofolateM
DHVMAM	(R)-2,3-dihydroxy-3-methylbutanoateM
DHP	2-Amino-4-hydroxy-6-(D-erythro-1,2,3-trihydroxypropyl)-7,8-dihydropteridine

DHPP	Dihydroneopterin phosphate
DHPT	Dihydropteroate
DHSK	3-Dehydroshikimate
DHSP	Sphinganine 1-phosphate
DHSPH	3-Dehydrosphinganine
DHVALm	(R)-3-Hydroxy-3-methyl-2-oxobutanoateM
DIMGp	D-erythro-1-(Imidazol-4-yl)glycerol 3-phosphate
DIN	Deoxyinosine
DIPEP	Dipeptide
DISAC1P	2,3-bis(3-hydroxytetradecanoyl)-D-glucosaminyl-1,6-beta-D-2,3-bis(3-hydroxytetradecanoyl)-beta-D-glucosaminyl 1-phosphate
DLIPOm	DihydrolipoamideM
DMPP	Dimethylallyl diphosphate
DMZYMST	4,4-Dimethylzymosterol
DOL	Dolichol
DOLMANP	Dolichyl beta-D-mannosyl phosphate
DOLP	Dolichyl phosphate
DOLPP	Dehydrodolichol diphosphate
DOROA	(S)-Dihydroorotate
DPCOA	Dephospho-CoA
DPCOAm	Dephospho-CoAM
DPTH	2-[3-Carboxy-3-(methylammonio)propyl]-L-histidine
DQT	3-Dehydroquinate
DR1P	Deoxy-ribose 1-phosphate
DR5P	2-Deoxy-D-ribose 5-phosphate
DRIB	Deoxyribose
DSAM	S-Adenosylmethioninamine
DT	Thymidine
DTB	Dethiobiotin
DTBm	DethiobiotinM
DTDP	dTDP
DTMP	dTMP
DTP	1-Deoxy-d-threo-2-pentulose
DTTP	dTTP
DU	Deoxyuridine
DUDP	dUDP
DUMP	dUMP
DUTP	dUTP
E4P	D-Erythrose 4-phosphate
EPM	Epimelibiose
EPST	Episterol
ER4P	4-Phospho-D-erythronate
ERGOST	Ergosterol
ERTEOL	Ergosta-5,7,22,24(28)-tetraenol
ERTROL	Ergosta-5,7,24(28)-trienol
ETH	Ethanol
ETHm	EthanolM
ETHM	Ethanolamine
F1P	D-Fructose 1-phosphate
F26P	D-Fructose 2,6-bisphosphate
F6P	beta-D-Fructose 6-phosphate
FAD	FAD
FADH2m	FADH2M
FADm	FADM
FALD	Formaldehyde
FDP	beta-D-Fructose 1,6-bisphosphate
FERIm	Ferricytochrome cM
FEROm	Ferrocyclochrome cM
FEST	Fecosterol
FGAM	2-(Formamido)-N1-(5'-phosphoribosyl)acetamidine
FGAR	5'-Phosphoribosyl-N-formylglycinamide
FGT	S-Formylglutathione
FKYN	L-Formylkynurenine
FMN	FMN
FMNm	FMNM
FMRNA	N-Formylmethionyl-tRNA
FOR	Formate
FORM	FormateM
FPP	trans,trans-Farnesyl diphosphate
FRU	D-Fructose
FTHF	10-Formyltetrahydrofolate
FTHFm	10-FormyltetrahydrofolateM
FUACAC	4-Fumarylacetoacetate
FUC	beta-D-Fucose
FUM	Fumarate

FUMm	FumarateM
G1P	D-Glucose 1-phosphate
G6P	alpha-D-Glucose 6-phosphate
GA1P	D-Glucosamine 1-phosphate
GA6P	D-Glucosamine 6-phosphate
GABA	4-Aminobutanoate
GABAL	4-Aminobutyraldehyde
GABALm	4-AminobutyraldehydeM
GABAm	4-AminobutanoateM
GAL1P	D-Galactose 1-phosphate
GAR	5'-Phosphoribosylglycinamide
GBAD	4-Guanidino-butanamide
GBAT	4-Guanidino-butanoate
GC	gamma-L-Glutamyl-L-cysteine
GDP	GDP
GDPm	GDPM
GDPMAN	GDPmannose
GGL	Galactosylglycerol
GL	Glycerol
GL3P	sn-Glycerol 3-phosphate
GL3Pm	sn-Glycerol 3-phosphateM
GLAC	D-Galactose
GLACL	1-alpha-D-Galactosyl-myo-inositol
GLAL	Glycolaldehyde
GLAM	Glucosamine
GLC	alpha-D-Glucose
GLCN	Gluconate
GLN	L-Glutamine
GLP	Glycylpeptide
GLT	L-Glucitol
GLU	L-Glutamate
GLUGSAL	L-Glutamate 5-semialdehyde
GLUGSALm	L-Glutamate 5-semialdehydeM
GLUm	GlutamateM
GLUP	alpha-D-Glutamyl phosphate
GLX	Glyoxylate
GLY	Glycine
GLYCOGEN	Glycogen
GLYm	GlycineM
GLYN	Glycerone
GMP	GMP
GN	Guanine
GNm	GuanineM
GPP	Geranyl diphosphate
GSN	Guanosine
GSNm	GuanosineM
GTP	GTP
GTPm	GTPM
GTRNA	L-Glutamyl-tRNA(Glu)
GTRNA m	L-Glutamyl-tRNA(Glu)M
GTRP	P1,P4-Bis(5'-guanosyl) tetraphosphate
H2O2	H2O2
H2S	Hydrogen sulfide
H2SO3	Sulfite
H3MCOA	(S)-3-Hydroxy-3-methylglutaryl-CoA
H3MCOAm	(S)-3-Hydroxy-3-methylglutaryl-CoAM
HACNm	But-1-ene-1,2,4-tricarboxylateM
HACOA	(3S)-3-Hydroxyacyl-CoA
HAN	3-Hydroxyanthranilate
HBA	4-Hydroxy-benzyl alcohol
HCIT	2-Hydroxybutane-1,2,4-tricarboxylate
HCITm	2-Hydroxybutane-1,2,4-tricarboxylateM
HCYS	Homocysteine
HEXT	H+EXT
HHTRNA	L-Histidyl-tRNA(His)
HIB	(S)-3-Hydroxyisobutyrate
HIBCOA	(S)-3-Hydroxyisobutyryl-CoA
HICITm	HomoisocitrateM
HIS	L-Histidine
HISOL	L-Histidinol
HISOLP	L-Histidinol phosphate
HKYN	3-Hydroxykynurenine
Hm	H+M
HMB	Hydroxymethylbilane

HOMOGEN	Homogentisate
HPRO	trans-4-Hydroxy-L-proline
HSER	L-Homoserine
HTRNA	tRNA(His)
HYXAN	Hypoxanthine
IAC	Indole-3-acetate
IAD	Indole-3-acetamide
IBCOA	2-Methylpropanoyl-CoA
ICIT	Isocitrate
ICITm	IsocitrateM
IDP	IDP
IDPm	IDPM
IGP	Indoleglycerol phosphate
IGST	4,4-Dimethylcholesta-8,14,24-trienol
IIMZYMST	Intermediate_Methylzymosterol_II
IIZYMST	Intermediate_Zymosterol_II
ILE	L-Isoleucine
ILEm	L-IsoleucineM
IMACP	3-(Imidazol-4-yl)-2-oxopropyl phosphate
IMP	IMP
IMZYMST	Intermediate_Methylzymosterol_I
INAC	Indoleacetate
INS	Inosine
IPC	Inositol phosphorylceramide
IPPMAL	2-Isopropylmalate
IPPMALm	2-IsopropylmalateM
IPPP	Isopentenyl diphosphate
ISUCC	a-Iminosuccinate
ITCCOAm	Itaconyl-CoAM
ITCm	ItaconateM
ITP	ITP
ITPm	ITPM
IVCOA	3-Methylbutanoyl-CoA
IZYMST	Intermediate_Zymosterol_I
K	Potassium
KYN	L-Kynurenine
LAC	(R)-Lactate
LACALm	(S)-LactaldehydeM
LACm	(R)-LactateM
LCCA	a Long-chain carboxylic acid
LEU	L-Leucine
LEUm	L-LeucineM
LGT	(R)-S-Lactoylglutathione
LGTm	(R)-S-LactoylglutathioneM
LIPIV	2,3,2',3'-tetrakis(3-hydroxytetradecanoyl)-D-glucosaminy-1,6-beta-D-glucosamine 1,4'-bisphosphate
LIPOm	LipoamideM
LIPX	Lipid X
LLACm	(S)-LactateM
LLCT	L-Cystathionine
LLTRNA	L-lysyl-tRNA(Lys)
LLTRNA _m	L-lysyl-tRNA(Lys)M
LNST	Lanosterol
LTRNA	tRNA(Lys)
LTRNA _m	tRNA(Lys)M
LYS	L-Lysine
LYSm	L-LysineM
MAACOA	a-Methylacetoacetyl-CoA
MACAC	4-Maleylacetoacetate
MACOA	2-Methylprop-2-enoyl-CoA
MAL	Malate
MALACP	Malonyl-[acyl-carrier protein]
MALACP _m	Malonyl-[acyl-carrier protein]M
MALCOA	Malonyl-CoA
MAL _m	MalateM
MALT	Malonate
MALT _m	MalonateM
MAN	alpha-D-Mannose
MAN1P	alpha-D-Mannose 1-phosphate
MAN2PD	beta-D-Mannosyldiacetylchitobiosyldiphosphodolichol
MAN6P	D-Mannose 6-phosphate
MANNAN	Mannan
MBCOA	Methylbutyryl-CoA
MCCOA	2-Methylbut-2-enoyl-CoA
MCRCOA	2-Methylbut-2-enoyl-CoA

MDAP	Meso-diaminopimelate
MELI	Melibiose
MELT	Melibiotol
MET	L-Methionine
METH	Methanethiol
METHF	5,10-Methenyltetrahydrofolate
METHFm	5,10-MethenyltetrahydrofolateM
METTHF	5,10-Methylenetetrahydrofolate
METTHFm	5,10-MethylenetetrahydrofolateM
MGCOA	3-Methylglutaconyl-CoA
MHIS	N(pai)-Methyl-L-histidine
MHVCOA	a-Methyl-b-hydroxyvaleryl-CoA
MI	myo-Inositol
MI1P	1L-myo-Inositol 1-phosphate
MIP2C	Inositol-mannose-P-inositol-P-ceramide
MIPC	Mannose-inositol-P-ceramide
MK	Menaquinone
MLT	Maltose
MMCOA	Methylmalonyl-CoA
MMET	S-Methylmethionine
MMS	(S)-Methylmalonate semialdehyde
MNT	D-Mannitol
MNT6P	D-Mannitol 1-phosphate
MTHF	5-Methyltetrahydrofolate
MTHFm	5-MethyltetrahydrofolateM
MTHGXL	Methylglyoxal
MTHN	Methane
MTHNm	MethaneM
MTHPTGLU	5-Methyltetrahydropteroyltri-L-glutamate
MTRNAM	L-Methionyl-tRNAM
MVL	(R)-Mevalonate
MVLm	(R)-MevalonateM
MYOI	myo-Inositol
MZYMST	4-Methylzymsterol
N4HBZ	3-Nonaprenyl-4-hydroxybenzoate
NA	Sodium
NAAD	Deamino-NAD+
NAADm	Deamino-NAD+M
NAC	Nicotinate
NACm	NicotinateM
NAD	NAD+
NADH	NADH
NADHm	NADHM
NADm	NAD+M
NADP	NADP+
NADPH	NADPH
NADPHm	NADPHM
NADPm	NADP+M
NAG	N-Acetylglucosamine
NAGA1P	N-Acetyl-D-glucosamine 1-phosphate
NAGA6P	N-Acetyl-D-glucosamine 6-phosphate
NAGLUm	N-Acetyl-L-glutamateM
NAGLUPm	N-Acetyl-L-glutamate 5-phosphateM
NAGLUSm	N-Acetyl-L-glutamate 5-semialdehydeM
NAM	Nicotinamide
NAMm	NicotinamideM
NAMN	Nicotinate D-ribonucleotide
NAMNm	Nicotinate D-ribonucleotideM
NAORNm	N2-Acetyl-L-ornithineM
NH3	NH3
NH3m	NH3M
NH4	NH4+
NPP	all-trans-Nonaprenyl diphosphate
NPPm	all-trans-Nonaprenyl diphosphateM
NPRAN	N-(5-Phospho-D-ribosyl)anthranilate
O2	Oxygen
O2m	OxygenM
OA	Oxaloacetate
OACOA	3-Oxoacyl-CoA
OAHSER	O-Acetyl-L-homoserine
OAm	OxaloacetateM
OBUT	2-Oxobutanoate
OBUTm	2-OxobutanoateM
OFP	Oxidized flavoprotein

OGT	Oxidized glutathione
OHB	2-Oxo-3-hydroxy-4-phosphobutanoate
OHm	HO-M
OICAP	3-Carboxy-4-methyl-2-oxopentanoate
OICAPm	3-Carboxy-4-methyl-2-oxopentanoateM
OIVAL	(R)-2-Oxoisovalerate
OIVALm	(R)-2-OxoisovalerateM
OMP	Orotidine 5'-phosphate
OMVAL	3-Methyl-2-oxobutanoate
OMVALm	3-Methyl-2-oxobutanoateM
OPEP	Oligopeptide
ORN	L-Ornithine
ORNm	L-OrnithineM
OROA	Orotate
OSLHSER	O-Succinyl-L-homoserine
OSUC	Oxalosuccinate
OSUCm	OxalosuccinateM
OTHIO	Oxidized thioredoxin
OTHIOm	Oxidized thioredoxinM
OXA	Oxaloglutarate
OXAm	OxaloglutarateM
P5C	(S)-1-Pyrroline-5-carboxylate
P5Cm	(S)-1-Pyrroline-5-carboxylateM
P5P	Pyridoxine phosphate
PA	Phosphatidate
PABA	4-Aminobenzoate
PAC	Phenylacetic acid
PAD	2-Phenylacetamide
PALCOA	Palmitoyl-CoA
PAm	PhosphatidateM
PANT	(R)-Pantoate
PANTm	(R)-PantoateM
PAP	Adenosine 3',5'-bisphosphate
PAPS	3'-Phosphoadenylylsulfate
PBG	Porphobilinogen
PC	Phosphatidylcholine
PC2	Sirohydrochlorin
PCHO	Choline phosphate
PDLA	Pyridoxamine
PDLA5P	Pyridoxamine phosphate
PDME	Phosphatidyl-N-dimethylethanolamine
PE	Phosphatidylethanolamine
PEm	PhosphatidylethanolamineM
PEP	Phosphoenolpyruvate
PEPD	Peptide
PEPm	PhosphoenolpyruvateM
PEPT	Peptide
PETHM	Ethanolamine phosphate
PGm	PhosphatidylglycerolM
PGPm	PhosphatidylglycerophosphateM
PHC	L-1-Pyrroline-3-hydroxy-5-carboxylate
PHE	L-Phenylalanine
PHEN	Prephenate
PHP	3-Phosphonooxypyruvate
PHPYR	Phenylpyruvate
PHSER	O-Phospho-L-homoserine
PHSP	Phytosphingosine 1-phosphate
PHT	O-Phospho-4-hydroxy-L-threonine
PI	Orthophosphate
PIm	OrthophosphateM
PIME	Pimelic Acid
PINS	1-Phosphatidyl-D-myo-inositol
PINS4P	1-Phosphatidyl-1D-myo-inositol 4-phosphate
PINSP	1-Phosphatidyl-1D-myo-inositol 3-phosphate
PL	Pyridoxal
PL5P	Pyridoxal phosphate
PMME	Phosphatidyl-N-methylethanolamine
PMVL	(R)-5-Phosphomevalonate
PNTO	(R)-Pantothenate
PPHG	Protoporphyrinogen IX
PPHGm	Protoporphyrinogen IXM
PPI	Pyrophosphate
PPIIm	PyrophosphateM
PPIXm	ProtoporphyrinM

PPMAL	2-Isopropylmaleate
PPMVL	(R)-5-Diphosphomevalonate
PRAM	5-Phosphoribosylamine
PRBAMP	N1-(5-Phospho-D-ribosyl)-AMP
PRBATP	N1-(5-Phospho-D-ribosyl)-ATP
PRFICA	1-(5'-Phosphoribosyl)-5-formamido-4-imidazolecarboxamide
PRFP	5-(5-Phospho-D-ribosylaminoformimino)-1-(5-phosphoribosyl)-imidazole-4-carboxamide
PRLP	N-(5'-Phospho-D-1'-ribulosylformimino)-5-amino-1-(5"-phospho-D-ribosyl)-4-imidazolecarboxamide
PRO	L-Proline
PROm	L-ProlineM
PROPCOA	Propanoyl-CoA
PRPP	5-Phospho-alpha-D-ribose 1-diphosphate
PRPPm	5-Phospho-alpha-D-ribose 1-diphosphateM
PS	Phosphatidylserine
PSm	PhosphatidylserineM
PSPH	Phytosphingosine
PTHm	HemeM
PTRC	Putrescine
PTRSC	Putrescine
PUR15P	Pseudouridine 5'-phosphate
PYR	Pyruvate
PYRDX	Pyridoxine
PYRm	PyruvateM
Q	Ubiquinone-9
QA	Pyridine-2,3-dicarboxylate
QAm	Pyridine-2,3-dicarboxylateM
QH2	Ubiquinol
QH2m	UbiquinolM
Qm	Ubiquinone-9M
R1P	D-Ribose 1-phosphate
R5P	D-Ribose 5-phosphate
RADP	4-(1-D-Ribitylamino)-5-amino-2,6-dihydroxypyrimidine
RAF	Raffinose
RFP	Reduced flavoprotein
RGT	Glutathione
RGTm	GlutathioneM
RIB	D-Ribose
RIBFLAVm	RiboflavinM
RIBOFLAV	Riboflavin
RIPm	alpha-D-Ribose 1-phosphateM
RL5P	D-Ribulose 5-phosphate
RMN	D-Rhamnose
RTHIO	Reduced thioredoxin
RTHIOm	Reduced thioredoxinM
S	Sulfur
S17P	Sedoheptulose 1,7-bisphosphate
S23E	(S)-2,3-Epoxysqualene
S7P	Sedoheptulose 7-phosphate
SACP	N6-(L-1,3-Dicarboxypropyl)-L-lysine
SAH	S-Adenosyl-L-homocysteine
SAHm	S-Adenosyl-L-homocysteineM
SAICAR	1-(5'-Phosphoribosyl)-5-amino-4-(N-succinocarboxamide)-imidazole
SAM	S-Adenosyl-L-methionine
SAMm	S-Adenosyl-L-methionineM
SAMOB	S-Adenosyl-4-methylthio-2-oxobutanoate
SAPm	S-AminomethyldihydrolipoylproteinM
SER	L-Serine
SERm	L-SerineM
SLF	Sulfate
SLFm	SulfateM
SME	Shikimate
SME5P	Shikimate 3-phosphate
SOR	Sorbose
SOR1P	Sorbose 1-phosphate
SOT	D-Sorbitol
SPH	Sphinganine
SPMD	Spermidine
SPRM	Spermine
SPRMD	Spermidine
SQL	Squalene
SUC	Sucrose
SUCC	Succinate
SUCCm	SuccinateM
SUCCOAm	Succinyl-CoAM

SUCCSAL	Succinate semialdehyde
T3P1	D-Glyceraldehyde 3-phosphate
T3P2	Glycerone phosphate
T3P2m	Glycerone phosphateM
TAG16P	D-Tagatose 1,6-bisphosphate
TAG6P	D-Tagatose 6-phosphate
TAGLY	Triacylglycerol
TCOA	Tetradecanoyl-CoA
TGLP	N-Tetradecanoylglycylpeptide
THF	Tetrahydrofolate
THFG	Tetrahydrofolyl-[Glu](n)
THFm	TetrahydrofolateM
THIAMIN	Thiamin
THMP	Thiamin monophosphate
THPTGLU	Tetrahydropteroyltri-L-glutamate
THR	L-Threonine
THRm	L-ThreonineM
THY	Thymine
THZ	5-(2-Hydroxyethyl)-4-methylthiazole
THZP	4-Methyl-5-(2-phosphoethyl)-thiazole
TPI	D-myo-inositol 1,4,5-trisphosphate
TPP	Thiamin diphosphate
TPPP	Thiamin triphosphate
TRE	alpha, alpha'-Trehalose
TRE6P	alpha, alpha'-Trehalose 6-phosphate
TRNA	tRNA
TRNAG	tRNA(Glu)
TRNAGm	tRNA(Glu)M
TRNA _m	tRNAM
TRP	L-Tryptophan
TRP _m	L-TryptophanM
TRPTRNA _m	L-Tryptophanyl-tRNA(Trp)M
TYR	L-Tyrosine
UDP	UDP
UDPG	UDPglucose
UDPG23A	UDP-2,3-bis(3-hydroxytetradecanoyl)glucosamine
UDPG2A	UDP-3-O-(3-hydroxytetradecanoyl)-D-glucosamine
UDPG2AA	UDP-3-O-(3-hydroxytetradecanoyl)-N-acetylglucosamine
UDPGAL	UDP-D-galactose
UDPNAG	UDP-N-acetyl-D-galactosamine
UDPP	Undecaprenyl diphosphate
UGC	(-)-Ureidoglycolate
UMP	UMP
UPRG	Uroporphyrinogen III
URA	Uracil
UREA	Urea
UREAC	Urea-1-carboxylate
URI	Uridine
UTP	UTP
VAL	L-Valine
X5P	D-Xylose-5-phosphate
XAN	Xanthine
XMP	Xanthosine 5'-phosphate
XTSINE	Xanthosine
XTSN	Xanthosine
XUL	D-Xylulose
XYL	D-Xylose
ZYMST	Zymosterol