



Phenylacetaldehyde	Phenylacetaldehyde
tetradecanoate (n-C14:1)	tetradecanoate (n-C14:1)
octadecadienoate (n-C18:2)	octadecadienoate (n-C18:2)
octadecenoate (n-C18:1)	octadecenoate (n-C18:1)
4-Methylzymosterol intermediate 1	4-Methylzymosterol intermediate 1
2-Hydroxy-hexadecanal	2-Hydroxy-hexadecanal
tetradecanoate (n-C14:0)	tetradecanoate (n-C14:0)
octadecanoate (n-C18:0)	octadecanoate (n-C18:0)
L-Formylkynurenine	L-Formylkynurenine
4-Amino-2-methyl-5-phosphomethylpyrimidine	4-Amino-2-methyl-5-phosphomethylpyrimidine
L-Carnitine	L-Carnitine
3,4-dihydroxy-2-butanone 4-phosphate	3,4-dihydroxy-2-butanone 4-phosphate
L-Aspartate 4-semialdehyde	L-Aspartate 4-semialdehyde
8-Amino-7-oxononanoate	8-Amino-7-oxononanoate
S-Adenosyl-L-methionine	S-Adenosyl-L-methionine
O-Phospho-4-hydroxy-L-threonine	O-Phospho-4-hydroxy-L-threonine
O-Acetylcarnitine	O-Acetylcarnitine
2-Amino-4-hydroxy-6-hydroxymethyl-7,8-dihydropteridine diphosphate	2-Amino-4-hydroxy-6-hydroxymethyl-7,8-dihydropteridine diphosphate
L-Tryptophan	L-Tryptophan
(R)-5-Diphosphomevalonate	(R)-5-Diphosphomevalonate
Shikimate 5-phosphate	Shikimate 5-phosphate
tetracosanoate (n-C24:0)	tetracosanoate (n-C24:0)
L-Lactaldehyde	L-Lactaldehyde
L-Lactate	L-Lactate
Cytidine	Cytidine
3-Hydroxyanthranilate	3-Hydroxyanthranilate
3-Hydroxy-L-kynurenine	3-Hydroxy-L-kynurenine
Indole-3-acetaldehyde	Indole-3-acetaldehyde
Indolepyruvate	Indolepyruvate
2-Aminomuconate	2-Aminomuconate
Pyruvate	Pyruvate
Phosphoenolpyruvate	Phosphoenolpyruvate
GDP-D-mannose	GDP-D-mannose
(S)-2-Acetolactate	(S)-2-Acetolactate
Indole-3-acetate	Indole-3-acetate
3-Methyl-2-oxobutanoate	3-Methyl-2-oxobutanoate
2-Oxoadipate	2-Oxoadipate
Phenylpyruvate	Phenylpyruvate
3-(4-Hydroxyphenyl)pyruvate	3-(4-Hydroxyphenyl)pyruvate
Nicotinate	Nicotinate
Itaconate	Itaconate
Pyridoxine	Pyridoxine
dUDP	dUDP
N-Acetyl-L-glutamate 5-semialdehyde	N-Acetyl-L-glutamate 5-semialdehyde
5-Phospho-beta-D-ribosylamine	5-Phospho-beta-D-ribosylamine
5-L-Glutamyl-L-alanine	5-L-Glutamyl-L-alanine
O-Phospho-L-homoserine	O-Phospho-L-homoserine
1-Pyrroline-5-carboxylate	1-Pyrroline-5-carboxylate
Chitin (monomer)	Chitin (monomer)
GTP	GTP
Urea	Urea
Succinate	Succinate
GMP	GMP
D-erythro-1-(Imidazol-4-yl)glycerol 3-phosphate	D-erythro-1-(Imidazol-4-yl)glycerol 3-phosphate
L1-P4-Bis(5-adenosyl) tetrphosphate	L1-P4-Bis(5-adenosyl) tetrphosphate
Guanine	Guanine
dAMP	dAMP
Glycerol	Glycerol
Thiamin	Thiamin
Decanoyl-CoA (n-C10:0CoA)	Decanoyl-CoA (n-C10:0CoA)
CTP	CTP
alpha-Ketoglutarate	alpha-Ketoglutarate
3-Phosphohydroxypyruvate	3-Phosphohydroxypyruvate
5-Methyltetrahydropteroyltri-L-glutamate	5-Methyltetrahydropteroyltri-L-glutamate
But-1-ene-1,2,4-tricarboxylate	But-1-ene-1,2,4-tricarboxylate
Ipoamide	Ipoamide
Phenylacetic acid	Phenylacetic acid
N-Acetyl-L-glutamate	N-Acetyl-L-glutamate
4-Aminobutanoate	4-Aminobutanoate
O-Phospho-L-serine	O-Phospho-L-serine
L-Asparagine	L-Asparagine
L-Aspartate	L-Aspartate
L-Arginine	L-Arginine
Coproporphyrinogen III	Coproporphyrinogen III
Uridine	Uridine
Guanosine	Guanosine
O-Valine	O-Valine
O-Succinyl-L-homoserine	O-Succinyl-L-homoserine
Diphosphate	Diphosphate
Phosphate	Phosphate
D-Arabinono-1,4-lactone	D-Arabinono-1,4-lactone
2-Isopropylmaleate	2-Isopropylmaleate
4-Hydroxy-2-oxoglutarate	4-Hydroxy-2-oxoglutarate
(R)-Pantothenate	(R)-Pantothenate
Methylglyoxal	Methylglyoxal
4-Phospho-L-aspartate	4-Phospho-L-aspartate
gamma-Amino-gamma-cyanobutanoate	gamma-Amino-gamma-cyanobutanoate
L-Glutamine	L-Glutamine
L-Glutamate 5-phosphate	L-Glutamate 5-phosphate
Glycine	Glycine
dCMP	dCMP
Xanthine	Xanthine
L-Phenylalanine	L-Phenylalanine
Farnesyl diphosphate	Farnesyl diphosphate
L-1-Pyrroline-3-hydroxy-5-carboxylate	L-1-Pyrroline-3-hydroxy-5-carboxylate
Decanoate (n-C10:0)	Decanoate (n-C10:0)
dATP	dATP
Thiamin triphosphate	Thiamin triphosphate
N-Acetyl-L-glutamyl 5-phosphate	N-Acetyl-L-glutamyl 5-phosphate
Oxidized glutathione	Oxidized glutathione
S-Formylglutathione	S-Formylglutathione
glycogen (tetramer)	glycogen (tetramer)
Ornithine	Ornithine
L-Citrulline	L-Citrulline
Histidine	Histidine
UDP-N-acetyl-D-galactosamine	UDP-N-acetyl-D-galactosamine
Hypoxanthine	Hypoxanthine
Xanthosine 5-phosphate	Xanthosine 5-phosphate
gamma-L-Glutamyl-L-cysteine	gamma-L-Glutamyl-L-cysteine
5-Formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide	5-Formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide
octanoate (n-C8:0)	octanoate (n-C8:0)
2-(Formamido)-N1-(5-phospho-D-ribosyl)acetamidine	2-(Formamido)-N1-(5-phospho-D-ribosyl)acetamidine
Inosine	Inosine
Xanthosine	Xanthosine
UTP	UTP
L-Histidinol	L-Histidinol
UDP	UDP
Deoxycytidine	Deoxycytidine
dTDP	dTDP
Nicotinate D-ribonucleotide	Nicotinate D-ribonucleotide
L-Proline	L-Proline
CDP	CDP
N-Acetylputrescine	N-Acetylputrescine
N2-Acetyl-L-ornithine	N2-Acetyl-L-ornithine
Thiamine diphosphate	Thiamine diphosphate
NAD	NAD
Glycerol 3-phosphate	Glycerol 3-phosphate
L-Saccharopine	L-Saccharopine
N2-Formyl-N1-(5-phospho-D-ribosyl)glycinamide	N2-Formyl-N1-(5-phospho-D-ribosyl)glycinamide
IMP	IMP
6-Phospho-D-gluconate	6-Phospho-D-gluconate
Coenzyme A	Coenzyme A
Acetyl-CoA	Acetyl-CoA
5-Amino-1-(5-Phospho-D-ribosyl)imidazole-4-carboxamide	5-Amino-1-(5-Phospho-D-ribosyl)imidazole-4-carboxamide
N1-(5-Phospho-D-ribosyl)glycinamide	N1-(5-Phospho-D-ribosyl)glycinamide
Fumarate	Fumarate
L-Malate	L-Malate
(S)-2-[5-Amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamido]succinate	(S)-2-[5-Amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamido]succinate
Dethiobiotin	Dethiobiotin
NADH	NADH
6-phospho-D-glucono-1,5-lactone	6-phospho-D-glucono-1,5-lactone
Thymidine	Thymidine
N(omega)-(L-Arginino)succinate	N(omega)-(L-Arginino)succinate

Phenylacetaldehyde	Phenylacetaldehyde
tetradecanoate (n-C14:1)	tetradecanoate (n-C14:1)
octadecenoate (n-C18:1)	octadecenoate (n-C18:1)
4-Methylzymosterol intermediate 1	4-Methylzymosterol intermediate 1
2-Hydroxy-hexadecanal	2-Hydroxy-hexadecanal
tetradecanoate (n-C14:0)	tetradecanoate (n-C14:0)
octadecanoate (n-C18:0)	octadecanoate (n-C18:0)
L-Formylkynurenine	L-Formylkynurenine
4-Amino-2-methyl-5-phosphomethyl-L-Carnitine	4-Amino-2-methyl-5-phosphomethyl-L-Carnitine
3,4-dihydroxy-2-butanone 4-phosphate	3,4-dihydroxy-2-butanone 4-phosphate
L-Aspartate 4-semialdehyde	L-Aspartate 4-semialdehyde
8-Amino-7-oxononanoate	8-Amino-7-oxononanoate
O-Phospho-4-hydroxy-L-threonine	O-Phospho-4-hydroxy-L-threonine
S-Adenosyl-L-methionine	S-Adenosyl-L-methionine
2-Amino-4-hydroxy-6-hydroxymethyl-7,8-dihydropteridine diphosphate	2-Amino-4-hydroxy-6-hydroxymethyl-7,8-dihydropteridine diphosphate
(R)-5-Diphosphomevalonate	(R)-5-Diphosphomevalonate
Shikimate 5-phosphate	Shikimate 5-phosphate
tetracosanoate (n-C24:0)	tetracosanoate (n-C24:0)
L-Lactaldehyde	L-Lactaldehyde
Cytidine	Cytidine
3-Hydroxyanthranilate	3-Hydroxyanthranilate
Indole-3-acetaldehyde	Indole-3-acetaldehyde
Indolepyruvate	Indolepyruvate
2-Aminomuconate	2-Aminomuconate
Phosphoenolpyruvate	Phosphoenolpyruvate
GDP-D-mannose	GDP-D-mannose
(S)-2-Acetolactate	(S)-2-Acetolactate
Indole-3-acetate	Indole-3-acetate
3-Methyl-2-oxobutanoate	3-Methyl-2-oxobutanoate
2-Oxoadipate	2-Oxoadipate
Phenylpyruvate	Phenylpyruvate
3-(4-Hydroxyphenyl)pyruvate	3-(4-Hydroxyphenyl)pyruvate
Nicotinate	Nicotinate
Itaconate	Itaconate
Pyridoxine	Pyridoxine
dUDP	dUDP
N-Acetyl-L-glutamate 5-semialdehyde	N-Acetyl-L-glutamate 5-semialdehyde
5-Phospho-beta-D-ribosylamine	5-Phospho-beta-D-ribosylamine
5-L-Glutamyl-L-alanine	5-L-Glutamyl-L-alanine
O-Phospho-L-homoserine	O-Phospho-L-homoserine
1-Pyrroline-5-carboxylate	1-Pyrroline-5-carboxylate
Chitin (monomer)	Chitin (monomer)
GTP	GTP
Urea	Urea
Succinate	Succinate
GMP	GMP
D-erythro-1-(Imidazol-4-yl)glycerol 3-phosphate	D-erythro-1-(Imidazol-4-yl)glycerol 3-phosphate
P1-P4-Bis(5-adenosyl) tetrphosphate	P1-P4-Bis(5-adenosyl) tetrphosphate
Guanine	Guanine
dAMP	dAMP
Glycerol	Glycerol
Thiamin	Thiamin
Decanoyl-CoA (n-C10:0CoA)	Decanoyl-CoA (n-C10:0CoA)
CTP	CTP
alpha-Ketoglutarate	alpha-Ketoglutarate
3-Phosphohydroxypyruvate	3-Phosphohydroxypyruvate
5-Methyltetrahydropteroyltri-L-glutamate	5-Methyltetrahydropteroyltri-L-glutamate
But-1-ene-1,2,4-tricarboxylate	But-1-ene-1,2,4-tricarboxylate
Ipoamide	Ipoamide
Phenylacetic acid	Phenylacetic acid
N-Acetyl-L-glutamate	N-Acetyl-L-glutamate
4-Aminobutanoate	4-Aminobutanoate
O-Phospho-L-serine	O-Phospho-L-serine
L-Asparagine	L-Asparagine
L-Aspartate	L-Aspartate
L-Arginine	L-Arginine
Coproporphyrinogen III	Coproporphyrinogen III
Uridine	Uridine
Guanosine	Guanosine
O-Succinyl-L-homoserine	O-Succinyl-L-homoserine
Diphosphate	Diphosphate
Phosphate	Phosphate
D-Arabinono-1,4-lactone	D-Arabinono-1,4-lactone
2-Isopropylmaleate	2-Isopropylmaleate
4-Hydroxy-2-oxoglutarate	4-Hydroxy-2-oxoglutarate
(R)-Pantothenate	(R)-Pantothenate
Methylglyoxal	Methylglyoxal
4-Phospho-L-aspartate	4-Phospho-L-aspartate
gamma-Amino-gamma-cyanobutanoate	gamma-Amino-gamma-cyanobutanoate
L-Glutamine	L-Glutamine
L-Glutamate 5-phosphate	L-Glutamate 5-phosphate
Glycine	Glycine
dCMP	dCMP
Xanthine	Xanthine
L-Phenylalanine	L-Phenylalanine
Farnesyl diphosphate	Farnesyl diphosphate
L-1-Pyrroline-3-hydroxy-5-carboxylate	L-1-Pyrroline-3-hydroxy-5-carboxylate
Decanoate (n-C10:0)	Decanoate (n-C10:0)
dATP	dATP
Thiamin triphosphate	Thiamin triphosphate
N-Acetyl-L-glutamyl 5-phosphate	N-Acetyl-L-glutamyl 5-phosphate
Oxidized glutathione	Oxidized glutathione
S-Formylglutathione	S-Formylglutathione
glycogen (tetramer)	glycogen (tetramer)
Ornithine	Ornithine
L-Citrulline	L-Citrulline
Histidine	Histidine
UDP-N-acetyl-D-galactosamine	UDP-N-acetyl-D-galactosamine
Hypoxanthine	Hypoxanthine
Xanthosine 5-phosphate	Xanthosine 5-phosphate
gamma-L-Glutamyl-L-cysteine	gamma-L-Glutamyl-L-cysteine
5-Formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide	5-Formamido-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide
octanoate (n-C8:0)	octanoate (n-C8:0)
2-(Formamido)-N1-(5-phospho-D-ribosyl)acetamidine	2-(Formamido)-N1-(5-phospho-D-ribosyl)acetamidine
Inosine	Inosine
Xanthosine	Xanthosine
UTP	UTP
L-Histidinol	L-Histidinol
UDP	UDP
Deoxycytidine	Deoxycytidine
dTDP	dTDP
Nicotinate D-ribonucleotide	Nicotinate D-ribonucleotide
L-Proline	L-Proline
CDP	CDP
N-Acetylputrescine	N-Acetylputrescine
N2-Acetyl-L-ornithine	N2-Acetyl-L-ornithine
Thiamine diphosphate	Thiamine diphosphate
NAD	NAD
Glycerol 3-phosphate	Glycerol 3-phosphate
L-Saccharopine	L-Saccharopine
N2-Formyl-N1-(5-phospho-D-ribosyl)glycinamide	N2-Formyl-N1-(5-phospho-D-ribosyl)glycinamide
IMP	IMP
6-Phospho-D-gluconate	6-Phospho-D-gluconate
Coenzyme A	Coenzyme A
Acetyl-CoA	Acetyl-CoA
5-Amino-1-(5-Phospho-D-ribosyl)imidazole-4-carboxamide	5-Amino-1-(5-Phospho-D-ribosyl)imidazole-4-carboxamide
N1-(5-Phospho-D-ribosyl)glycinamide	N1-(5-Phospho-D-ribosyl)glycinamide
Fumarate	Fumarate
L-Malate	L-Malate
(S)-2-[5-Amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamido]succinate	(S)-2-[5-Amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamido]succinate
Dethiobiotin	Dethiobiotin
NADH	NADH
6-phospho-D-glucono-1,5-lactone	6-phospho-D-glucono-1,5-lactone
Thymidine	Thymidine
N(omega)-(L-Arginino)succinate	N(omega)-(L-Arginino)succinate