



Sucrose

Starch

Ribitol

Rib5p

Fructose

Glucose

Maltose

Threitol

Fru6p

Glc6p

Galacturonate

Threonate

Galactose

Asc

Threonate

DehydroAsc dimer

DAGs, TAGs

Glycerol-3P

Glycerate

1,6-anhydro-Glc

Glucuronate

Myo-inositol

Glycerol

Galctinol

Raffinose

Ethanolamine

Gly

Ser

Leu

Ala

3CGA

Phe

Sinapate

3,4-dihydroxyl-benzoate

4-hydroxyl-benzoate

Met

OAS

Val

Quinate

Tyr

Trp

Benzoate

Salicilate

Nicotinate

Thr

Ile

Citramalate

Citrate

Isocitrate

Octadecanoate

Palmitate

beta-Ala

HomoSer

Lys

Malate

TCA cycle

Fumarate

Succinate

2-oxoglutarate

Asn

Asp

Urea

Arg

Orn

Glu

Gln

His

Allantoin

Putrescine

GABA

Pro

4-hydroxyPro

PyroGlu