

List of Metabolites identified

Shoot tips	Callus (MS + 1 ppm TDZ)	Callus (MS + 3 ppm TDZ)	Callus (MS + 5 ppm TDZ)
Pentasiloxane	Elaidic acid	4-Aminobutyric acid	1,5-Anhydro-glucitol
dodecamethyl-	Fumaric acid	4-Hydroxybutyric acid	2-Deoxy-glucose
Rhamnose-meto	Glyceraldehyde-meto	5-Aminolevulinic acid-meto	5-Oxoproline
Ribose	Glycerol	5-Aminovaleric acid	Alanine
Tiglylglycine	Isomaltose-meto	Butylated	Citric acid
Urocanic acid	Isovaleryl glycine	Hydroxytoluene	Cyclohexanediol
2-Hydroxyglutaric acid	Lactic acid	Citric acid	D-(+)-Gluconolactone
3-	Linoleic acid	D-Fructose	Glucaric acid
Methylcrotonoylglycine	Malonic acid	D-Galactonic acid	Lactitol
4-Coumaric acid	Mannose-meto	Glucose-meto	L-Threonine
5-Methoxytryptamine	Methyl erucate	Lactic acid	Lyxose
Coniferyl alcohol	Pyruvic acid-meto	L-Serine	Pentasiloxane
Lactose-meto	Ribitol	L-Valine	dodecamethyl-
Tartaric acid	Ribose-meto	N-Acetyl-Ornithine	Pyruvic acid-meto
2-Aminoethanol	Succinic acid	Phosphoric acid	Stearic acid
4-Aminobutyric acid	Threonic acid	Ribonic acid	Sucrose
5-hydroxymethyl-2-	Trehalose	Sorbitol	Uracil
methylfuroic acid	Uracil	Succinic acid	Valine
Aspartic acid	meso-Erythritol	Sucrose	
Cholesterol	(9,10-Dihydro-9,10-	Tyramine	
Docosahexaenoic acid	ethanoanthracen-11-	D-Ribopyranose	
D-Pinitol	yl)me	12-Bromododecanoic	
Elaidic acid	2-Deoxy-glucose	acid	
Galactose	3,4-Dihydroxymandelic	2-Hydroxybutyric acid	
Isomaltose-meto	acid	Cyclohexanediol	
Lysine	7-Hydroxooctanoic acid	Glucuronic acid-meto	
Malic acid	Batyl alcohol	Glycine	
N-Acetylmannosamine-	Decadienedioic acid	L-Asparagine	
meto	D-Fructose	L-Threonine	
Ribonic acid	DL-Phenylalanine	Lysine	
Ribose-meto	Galactose	Lyxose	
Sucrose	Glucose-meto	Maltitol	
Tagatose-meto	Glucuronic acid-meto	Mannose-meto	
Tyramine	Glycine	Palmitic acid	
Uracil	Rhamnose-meto	Putrescine	
Xylitol	Ribulose		
	Sedoheptulose 7-		
	phosphate-meto		
	Serine		
	Sorbitol		
	Urea		
	Ureidopropionic acid		
	Valine		