

LabSolutions™ LCMS for LCMS-9030

Exact Mass Database for Endogenous Metabolites



Category	Compound name	P.M.	C.C.	L.M.	S.C.	B.A
Amino acids	Methionine	○	○			
	Methionine sulfoxide	○	○			
	N-Acetylaspartic acid		○			
	N-Acetylcysteine		○			
	Ornithine	○	○			
	Phenylalanine	○	○			
	Pipecolic acid		○			
	Proline	○	○			
	Serine	○	○			
	Symmetric dimethylarginine	○				
	Threonine	○	○			
	Tryptophan	○	○			
Tyrosine	○	○				
Valine	○	○				
Organic acids	2-Aminobutyric acid	○	○			
	2-Ethylbutyric acid				○	
	2-Hydroxyglutaric acid					○
	2-Isopropylmalic acid		○			
	2-Ketoglutaric acid	○				○
	2-Ketoisovaleric acid		○			
	2-Oxobutyric acid					○
	4-Aminobutyric acid	○	○			
	Acetic acid					○
	Aconitic acid	○				
Adenylsuccinic acid	○					

Category	Compound name	P.M.	C.C.	L.M.	S.C.	B.A
Organic acids	Argininosuccinic acid	○				
	beta-Hydroxybutyric acid				○	
	Butyric acid				○	
	Citric acid	○	○		○	
	Creatine	○				
	Fumaric acid	○	○		○	
	Gluconic acid		○			
	Glycolic acid				○	
	Glyoxylic acid				○	
	Isobutyric acid				○	
	Isocitric acid	○	○		○	
	Isovaleric acid				○	
	Lactic acid	○	○		○	
	Maleic acid				○	
	Malic acid	○	○		○	
	Malonic acid				○	
	Methionine sulfone	○				
	Nicotinic acid	○	○			
	Ophthalmic acid	○				
	Orotic acid	○				
	Oxaloacetic acid				○	
	Pantothenic acid	○	○			
	Propionic acid				○	
	Pyruvic acid	○	○		○	
	Succinic acid	○	○		○	
	Threonic acid		○			
	Uric acid	○	○			
	Valeric acid				○	
Bile acids	12-keto-Deoxycholic acid					○
	7-keto-Deoxycholic acid					○
	7-keto-Lithocholic acid					○
	allo-Chenodeoxycholic acid					○
	allo-Lithocholic acid					○
	Chenodeoxycholic acid					○
	Cholic acid	○				○
	Deoxycholic acid					○
	Glycochenodeoxycholic acid					○
	Glycocholic acid					○
	Glycodeoxycholic acid					○
	Glycohyodeoxycholic acid					○
	Glycolithocholic acid					○
	Glycoursodeoxycholic acid					○
	Hyodeoxycholic acid					○
	Lithocholic acid					○
	Tauro-a-muricholic acid					○
	Tauro-b-muricholic acid					○
	Taurochenodeoxycholic acid					○
	Taurocholic acid	○				○
	Taurodeoxycholic acid					○
	Taurohyodeoxycholic acid					○
	Tauroolithocholic acid					○
	Tauroursodeoxycholic acid					○
	Ursodeoxycholic acid					○
	α-Muricholic acid					○
	β-Muricholic acid					○
	ω-Muricholic acid					○
Nucleic-acid-related	Adenine	○	○			
	Adenosine	○	○			
	Adenosine 3',5'-cyclic monophosphate	○				
	Adenosine monophosphate	○	○			
	Citicoline	○				
	Cytidine	○	○			
	Cytidine 3',5'-cyclic monophosphate	○				
	Cytidine monophosphate	○	○			
	Deoxycytidine		○			
	Guanine	○	○			
	Guanosine	○	○			
	Guanosine 3',5'-cyclic monophosphate	○				
	Guanosine monophosphate	○	○			
	Inosine	○	○			
	Thymidine	○	○			
	Thymidine monophosphate	○				
	Thymine	○	○			
	Uracil	○	○			
	Uridine	○	○			

Category	Compound name	P.M.	C.C.	L.M.	S.C.	B.A
Nucleic-acid-related	Xanthine	○	○			
	Xanthosine		○			
Vitamins	4-Aminobenzoic acid		○			
	4-Hydroxyphenyllactic acid	○	○			
	Ascorbic acid		○			
	Ascorbic acid 2-phosphate		○			
	Biotin		○			
	Cyanocobalamin		○			
	Ergocalciferol		○			
	Folic acid		○			
	Folinic acid		○			
	Lipoic acid		○			
	Niacinamide	○	○			
	Pyridoxal		○			
	Pyridoxine		○			
	Riboflavin		○			
	Tocopherol acetate		○			
Lipid mediators	11(S)-HETE			○		
	11-trans LTC4			○		
	11-trans LTD4			○		
	11-trans LTE4			○		
	11β-Prostaglandin E2			○		
	11β-Prostaglandin F2α			○		
	12(S)-HETE			○		
	12(S)-HHTrE			○		
	12-oxo LTB4			○		
	15(S)-HETE			○		
	15(S)-HpETE			○		
	15-keto Prostaglandin E2			○		
	15-keto Prostaglandin F1α			○		
	15-keto Prostaglandin F2α			○		
	15-OxoETE			○		
	18-carboxy dinor LTB4			○		
	19(S)-HETE			○		
	20-carboxy arachidonic acid			○		
	20-carboxy leukotriene B4			○		
	20-HETE			○		
	20-hydroxy leukotriene B4			○		
	20-hydroxy Prostaglandin E2			○		
	20-hydroxy Prostaglandin F2α			○		
	5(S),14(R)-LXB4			○		
	5(S)-HEPE			○		
	5(S)-HETE			○		
	5(S)-HETrE			○		
	5(S)-HpEPE			○		
	5(S)-HpETE			○		
	5-OxoETE			○		
	6-keto Prostaglandin E1			○		
	6-keto-Prostaglandin F1α			○		
	6-trans LTB4			○		
	7(R)-Maresin 1			○		
	8(S),15(S)-DiHETE			○		
	8(S)-HEPE			○		
	8(S)-HETE			○		
	8(S)-HETrE			○		
	8-iso Prostaglandin A1			○		
	8-iso Prostaglandin A2			○		
	8-iso Prostaglandin E1			○		
	8-iso Prostaglandin E2			○		
	9(S)-HEPE			○		
	Arachidonic Acid (AA)			○		
	Arachidonoyl ethanolamide			○		
	Azelaoyl PAF			○		
	Docosahexaenoic Acid (DHA)			○		
	Eicosapentaenoic Acid (EPA)			○		
	iPF2α-IV			○		
	Leukotriene B3			○		
	Leukotriene B4			○		
	Leukotriene B5			○		
	Leukotriene C4			○		
	Leukotriene D4			○		
	Leukotriene E4			○		
	Leukotriene F4			○		
	Lipoxin A5			○		
	LTB4 ethanolamide			○		

P.M. = Primary metabolites method, C.C. = Cell culture profiling method, L.M. = Lipid mediators methods, S.C. = Short chain fatty acids method, B.A. = Bile acids method

This database contains retention times and exact mass information for 470 metabolites including the above metabolites and internal standards

* Compatible devices: LCMS-9030

List of registered compounds

Category	Compound name	P.M.	C.C.	L.M.	S.C.	B.A.
Lipid mediators	N-acetyl LTE4			○		
	OEA (oleoyl ethanolamide)			○		
	PAF C-16			○		
	Prostaglandin A1			○		
	Prostaglandin A2			○		
	Prostaglandin D1			○		
	Prostaglandin D2			○		
	Prostaglandin D3			○		
	Prostaglandin E1			○		
	Prostaglandin E2			○		
	Prostaglandin E3			○		
	Prostaglandin F1α			○		
	Prostaglandin F2α			○		
	Prostaglandin F3α			○		
	Prostaglandin J2			○		
	Prostaglandin K2			○		
	Prostaglandin D2 Ethanolamide			○		
	Prostaglandin E1 ethanolamide			○		
	Prostaglandin E2 Ethanolamide			○		
	Prostaglandin F2α Ethanolamide			○		
	Resolvin D1			○		
	Resolvin D2			○		
	Resolvin D3			○		
	Resolvin D4			○		
	Resolvin D5			○		
	Resolvin E1			○		
	tetranor-12(S)-HETE			○		
	tetranor-PGAM			○		
	tetranor-PGDM			○		
	tetranor-PGEM			○		
	tetranor-PGFM			○		
	tetranor-PGJM			○		
	Thromboxane B1			○		
	Thromboxane B2			○		

Category	Compound name	P.M.	C.C.	L.M.	S.C.	B.A.
Others	2-Aminoethanol		○			
	2-Morpholinoethanesulfonic acid	○				
	3-Methyl-2-oxovaleric acid		○			
	5-Glutamylcysteine	○	○			
	Acetylcholine	○				
	Allantoin	○				
	Carnitine	○				
	Carnosine	○				
	Choline	○	○			
	Creatinine	○				
	Cysteamine	○				
	Dopa	○				
	Dopamine	○				
	Epinephrine	○				
	Ethylenediamine		○			
	FAD	○				
	FMN	○				
	Glucosamine		○			
	Glutathione	○	○			
	Glyceric acid		○			
	Hexose (Glucose)		○			
	Histamine	○	○			
	Hypoxanthine	○	○			
	Kynurenine	○	○			
	NAD	○				
	Norepinephrine	○				
	O-Phosphoethanolamine		○			
	Oxidized glutathione	○	○			
	Penicillin G		○			
	Putrescine		○			
	S-Adenosylhomocysteine	○				
	S-Adenosylmethionine	○				
	Serotonin	○				
	Sucrose		○			

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Precautions

1. LabSolutions LCMS Ver. 5.97 or later is required
2. This method package is for research use only. Not for use in diagnostic procedures.

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