

Collection of Alfalfa Root Exudates to Study the Impact of Di(2-ethylhexyl) Phthalate on Metabolite Production

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Materials

Name	Company	Catalog Number	Comments
Adonitol	SIGMA		≥99%
Alfalfa seeds	Jiangsu Academy of Agricultural Sciences (Nanjing, China)		
Analytical balance	Sartorius	BSA124S-CW	
BSTFA	REGIS Technologies		with 1% TMCS, v/v
Centrifuge	Thermo Fisher Scientific	Heraeus Fresco17	
Chromatographic column	Agilent	DB-5MS (30 m × 250 μm × 0.25 μm)	
Di(2-ethylhexyl) phthalate	Dr. Ehrenstorfer		
FAMES	Dr. Ehrenstorfer		
Gas chromatography(GC)	Agilent	7890A	
Grinding instrument	Shanghai Jingxin Technology Co., Ltd	JXFSTPRP-24	
Mass spectrometer(MS)	LECO	PEGASUS HT	
Methanol	CNW Technologies		HPLC
Methoxyaminatio hydrochloride	TCl		AR
Microcentrifuge tube	Eppendorf	Eppendorf Quality	1.5 mL
Oven	Shanghai Yiheng Scientific Instrument Co., Ltd	DHG-9023A	
Pyridine	Adamas		HPLC
R software			statistical analysis software (pathway enrichment, topology)
SIMCA16.0.2			statistical analysis software (OPLS-DA etc)
Ultra low temperature freezer	Thermo Fisher Scientific	Forma 900 series	
Ultrasound	Shenzhen Fangao Microelectronics Co., Ltd	YM-080S	
Vacuum dryer	Taicang Huamei biochemical instrument factory	LNG-T98	