

Materials List for:

A Straightforward Method for Glucosinolate Extraction and Analysis with High-pressure Liquid Chromatography (HPLC)

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Materials

Name	Company	Catalog Number	Comments
Methanol HiPerSolv CHROMANORM® gradient grade for HPLC grade	VWR	20864.320	
Sodium acetate (NaOAc)	Sigma-Aldrich	W302406-1KG-K	
HCl	VWR	1.09057.1000	
Sephadex	Sigma-Aldrich	A25120-10G	
(-)-Sinigrin hydrate from horseradish	Sigma-Aldrich	S1647-500MG	
Aryl Sulfatase	Sigma-Aldrich	S9626-10KU	
Ethanol	VWR	20816.298	
Pasteur Pipette	Carl Roth	4518.1	
Glass Wool	Carl Roth	7377.1	
Glass/wooden stick	VWR	HERE1080766	
2 mL reaction tubes	VWR	211-2120	
Dissecting needle	Carl Roth	KX93.1	
Rotilabo-lab dishes	Carl Roth	0772.1	Waste tray
Rotilabo-sealing clips	Carl Roth	N217.1	
Freeze Dryer Freezone 12 L	Labconco	7960030	
Acetonitril super gradient grade	VWR	83639.320	
Water bath	VWR	462-5112	
Ultrasonic bath	Fisher Scientific	FB 15061	
PH Electrode	Thermo Fisher Scientific	STARA2115	
Centrifuge Heraeus Multifuge X1	Thermo Fisher Scientific	75004210	
Pre-Column	Thermo Fisher Scientific	69697	C ₁₈ column (4.6 x 10 mm, 5 µm, 300 Å)
Column Acclaim 300	Thermo Fisher Scientific	60266	C ₁₈ column (4.6 x 150 mm, 3 µm, 300 Å)
HPLC Ultimate 3000	Thermo Fisher Scientific		with column oven and UV or PDA detector
Flask 1,000 mL	VWR	215-1595	
Glucosinolate reference compounds	PhytoPlan	various	http://www.phytoPlan.de/