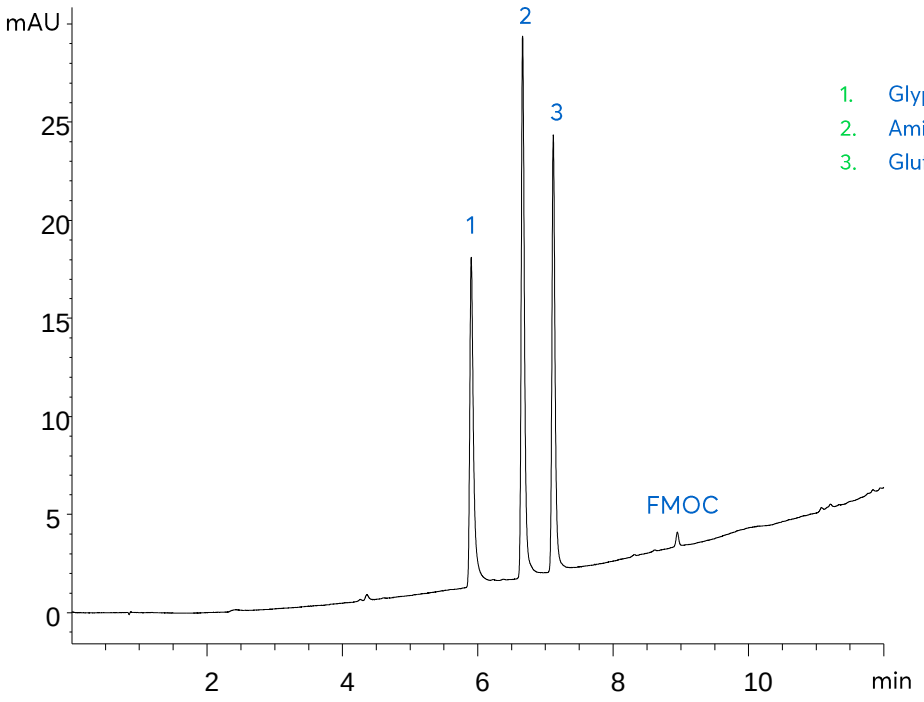
Chromatography Solutions

Application note #3850

Glyphosate and Related Compounds as FMOC Derivatives (Gradient)



1. Glyphosate
2. Aminomethylphosphonic acid (AMPA)
3. Glufosinate

Avantor® ACE®

Method Details

CONDITIONS

Column: Avantor® ACE® Excel 3 SuperC18

Dimensions: 150 x 2.1 mm

Mobile Phase: A: H_2O

B: MeOH

C: 200 mM ammonium formate pH 3.0

Time (mins)	% A	% B	% C
0	62.5	35.0	2.5
10	2.5	95.0	2.5
11	2.5	95.0	2.5
12	62.5	35.0	2.5
22	62.5	35.0	2.5

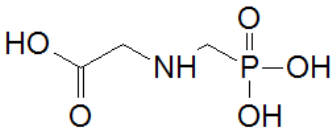
Flow Rate: 0.4 mL/min

Injection: 0.1 µL

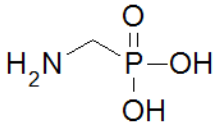
Temperature: 60 °C

Detection: UV, 254 nm

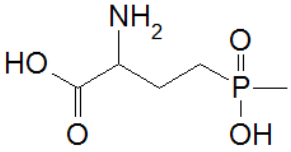
Sample: Standards derivatised with FMOC-Cl



Glyphosate



Aminomethylphosphonic acid (AMPA)



Glufosinate

ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® Excel 3 SuperC18	HPLC column	150 x 2.1 mm	EXL-1111-1502U
Methanol	VWR CHROMANORM® gradient grade	2.5 L	20864.320
Water	VWR CHROMANORM® gradient grade	2.5 L	83650.320
Ammonium formate	VWR CHROMANORM® for LC-MS	100 g	84884.180

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