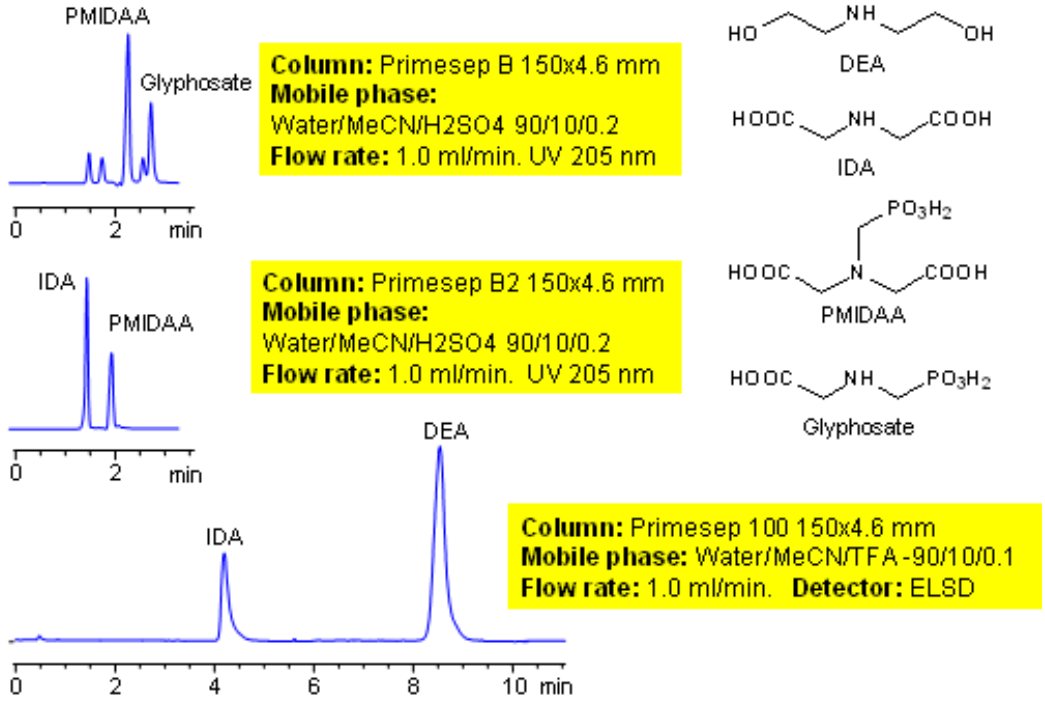
HPLC Separation of Glyphosate Production Intermediates



Glyphosate is a broad spectrum herbicide used to kill weeds. It is the most used herbicide. Glyphosate is an aminophosphonic analogue of the natural amino acid glycine. Glyphosate and its intermediates are very polar ionic compounds derived from glycine. Neither of intermediates can be retained on traditional reversed-phase columns. Two methods for glyphosate intermediates were developed on Primesep B, Primesep B2 and Primesep 100 columns.

Method Parameters

Column	Primesep B, Primesep B2, Primesep 100, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O
Buffer	TFA, H2SO4
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: https://sielc.com/Application-HPLC-Separation-of-Glyphosate-Production-Intermediates

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