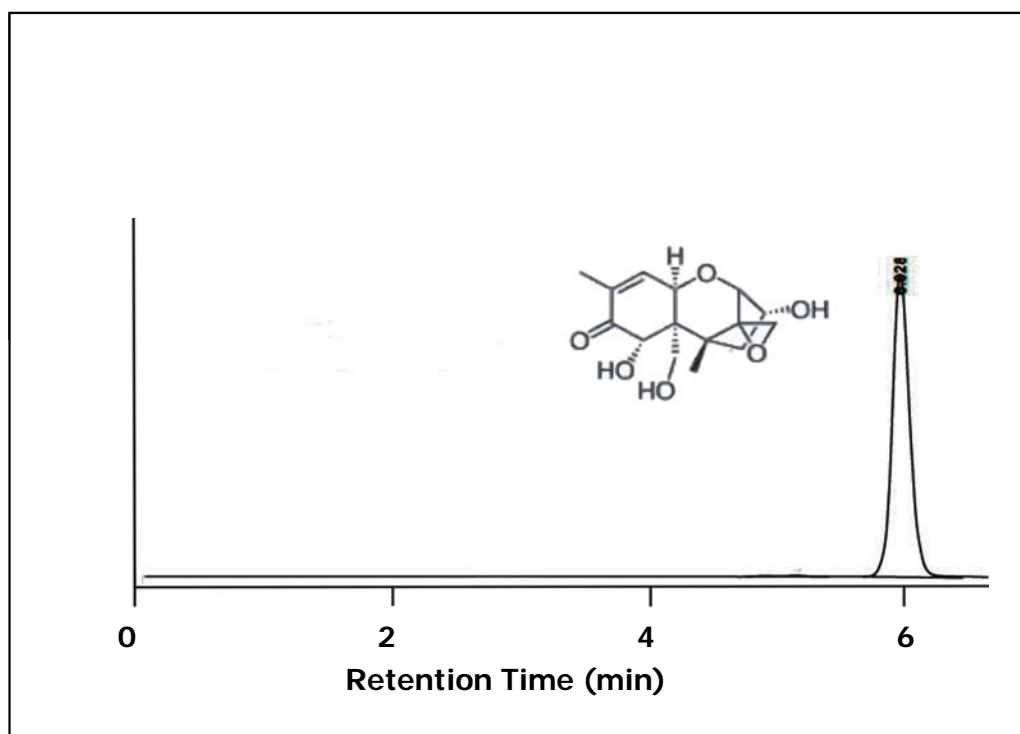


ZIC®-HILIC Separation of Deoxynivalenol (DON)

Chromatographic Conditions

Column: ZIC®-HILIC, PEEK 250 x 4.6 mm, 5 µm, 200 Å (P/N -150458)
 Injection: 10 µL of a 102 µg/mL solution of DON diluted in acetonitrile
 Detection: UV @ 220 nm (UFS 1.0 V)
 Column Temperature: Ambient
 Flow Rate: 0.5 mL/min
 Mobile Phase (v/v): 80%, Acetonitrile
 20%, Ammonium Acetate 10 mM, pH 6.8
 (total ionic strength: 2 mM)



* To increase the retention, increase the percentage of organic solvent

Chromatographic Data

No.	Compound	Time (min)	Retention factor
	t_0 void volume	5.0	-
1	Deoxynivalenol (DON) (LogP: -0.7)	6.0	0.2

By courtesy of Dr. Igal Bar-Ilan. MIGAL LTD Analytical Chemistry Dept. Service Labs.
www.migal.org.il/lab.html