

Separation Ectoine and Hydroxyectoine

Method
HPLC

VPH0002J
RP Mode

Column: ProntoSIL 120-5 C18 AQ Plus 125 x 4 mm

Order No. 12DF183PSJ

Phase: ProntoSIL 120-5 C18 AQ Plus

Conditions:

Eluent A	0.8 mM KH ₂ PO ₄ / 6.0 mM Na ₂ PO ₄ (pH 7,6)		
Eluent B	Acetonitrile		
Gradient	Time [min]	% A	% B
	0.00	100	0
	1.50	100	0
	3.00	60	40
	4.50	100	0
	10.00	100	0
Flow rate:	1.0 ml/min		
Temperature:	25 °C		
Volume:	5 µl		

Detection: UV, 215 nm

Substances: Ectoine and Hydroxyectoine

Keywords: Protective substance, Fermentation brine

Chromatogram:

1 Ectoine
2 Hydroxyectoine

