Supporting Info

Separation of monosaccharide anomers on photo-click cysteine-based stationary phase: the α/β interconversion process studied by dynamic hydrophilic liquid chromatography.

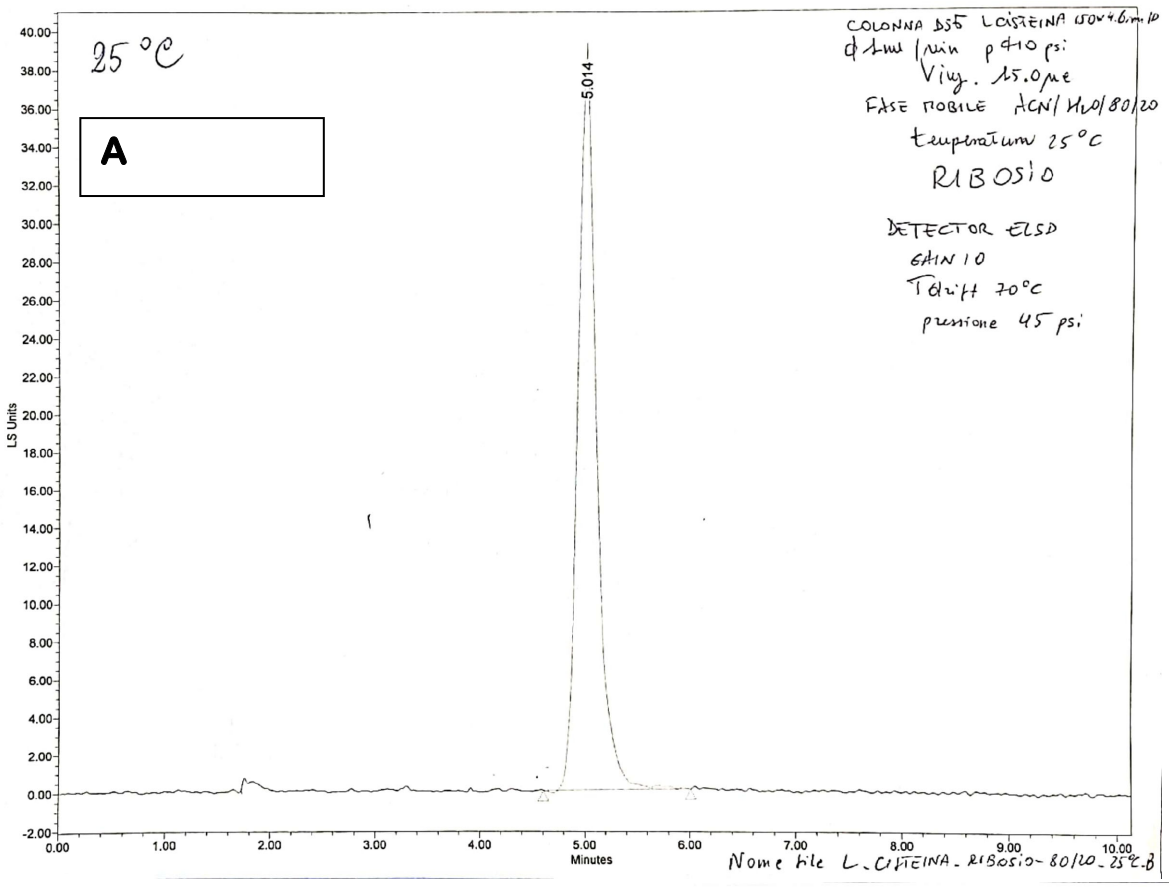
Andrea Calcaterra [a], Simone Manetto* [a], Fabio Buonsenso [a], Antonio Francioso [b,c],Marco Pierini[a], Claudio Villani* [a],

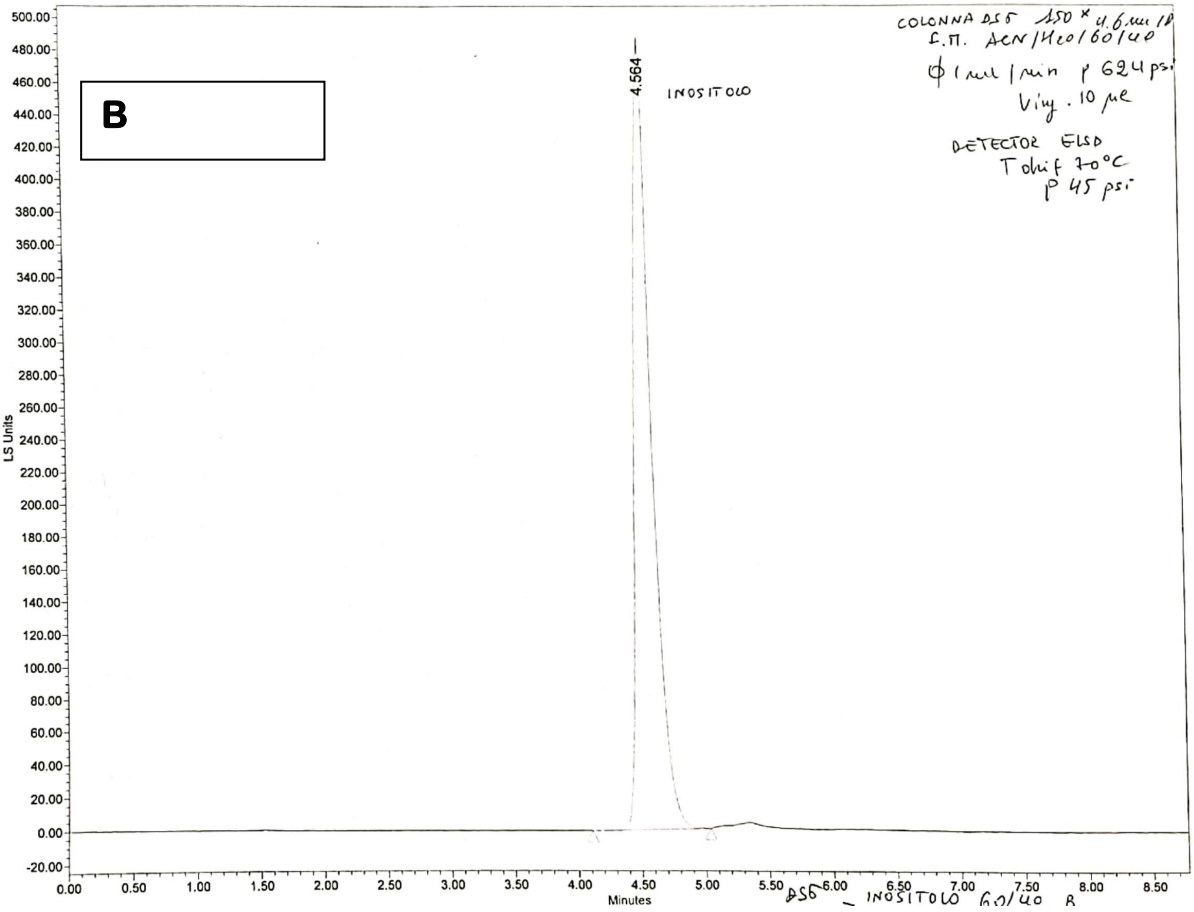
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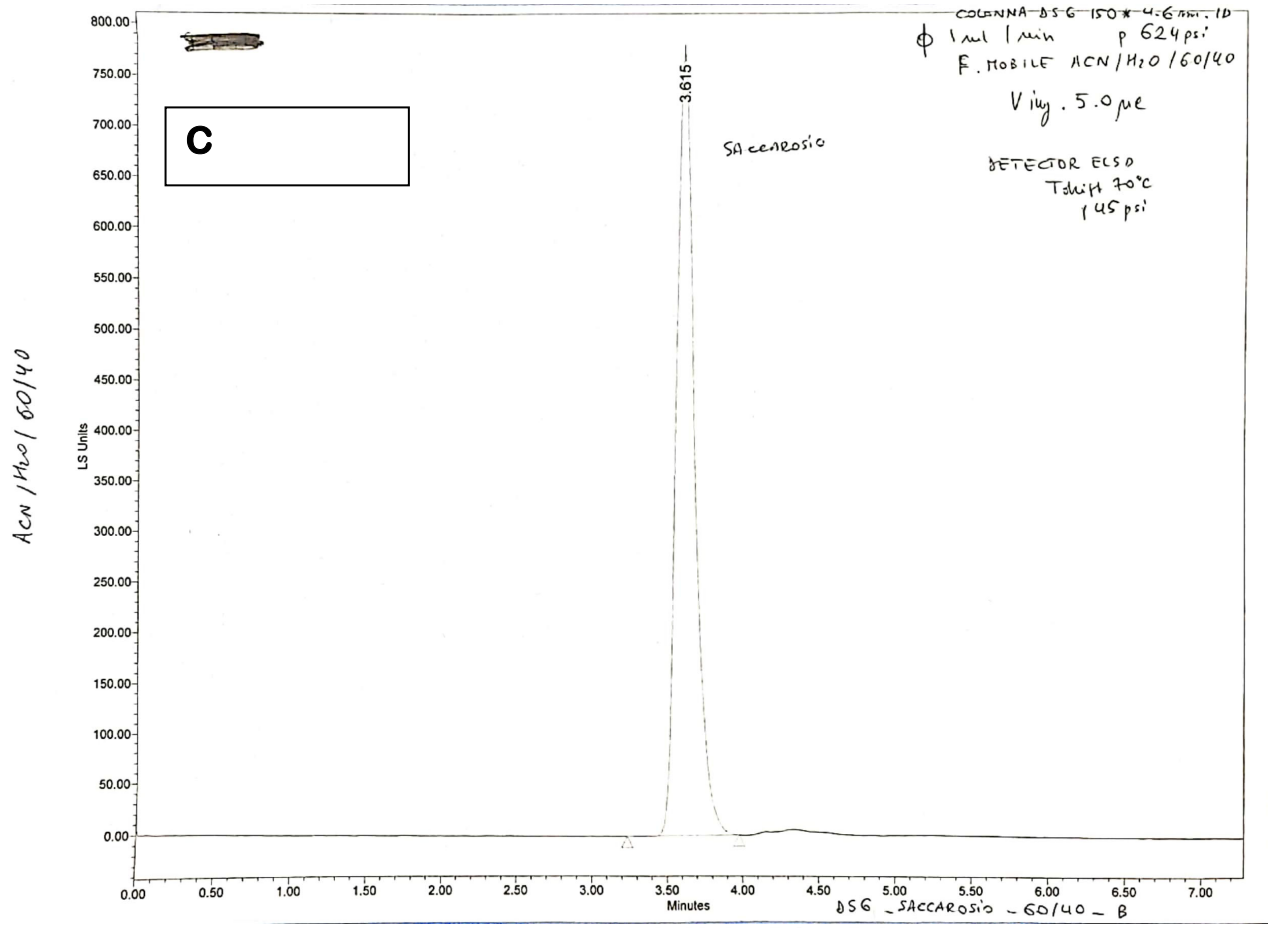
[c] Department of Organic Chemistry, Instituto Universitario de Bio-organica "Antonio González", University of La Laguna, Tenerife, Spain

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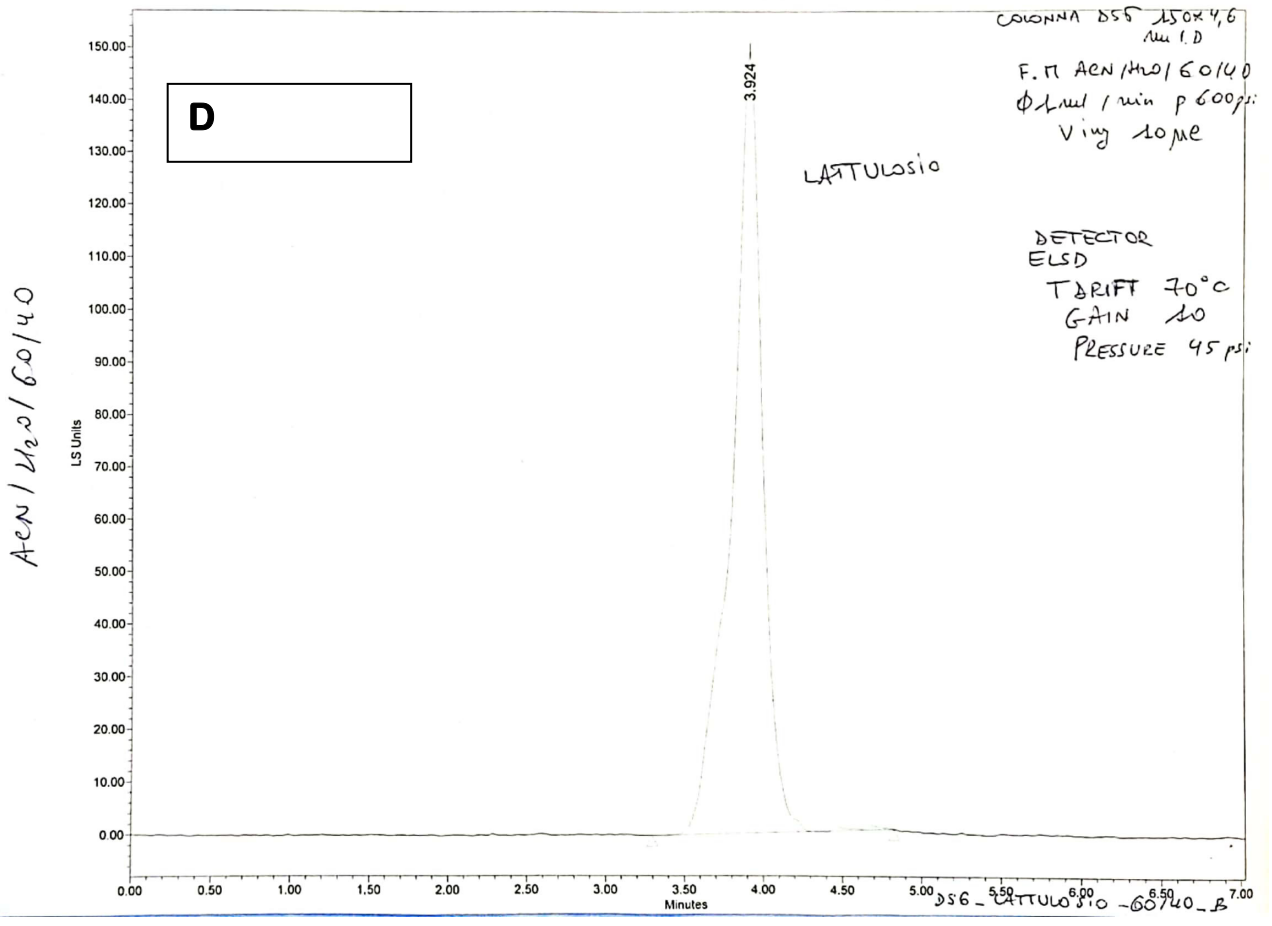

25 °C
A
5.014
COLONNA DSS L-CISTEINA 150x4.6mm ID
ϕ 1 ml/min p 410 psi
Viy. 15.0 µl
FASE MOBILE ACN/H2O/80/20
temperatura 25°C
RIBOSIO
DETECTOR ELSD
GAIN 10
Tdrift 70°C
pressione 45 psi
LS Units
Minutes
Nome file L-CISTEINA-RIBOSIO-80/20-25°C.B


B
4.564
INOSITOLO
COLONNA DSS 150 x 4.6 mm ID
F.M. ACN/H2O/60/40
ϕ 1 ml/min p 624 psi
Viy. 10 µl
DETECTOR ELSD
Tdrift 70°C
P 45 psi
LS Units
Minutes
DSS_INOSITOLO 60/40 B

ACN/H2O/60/40

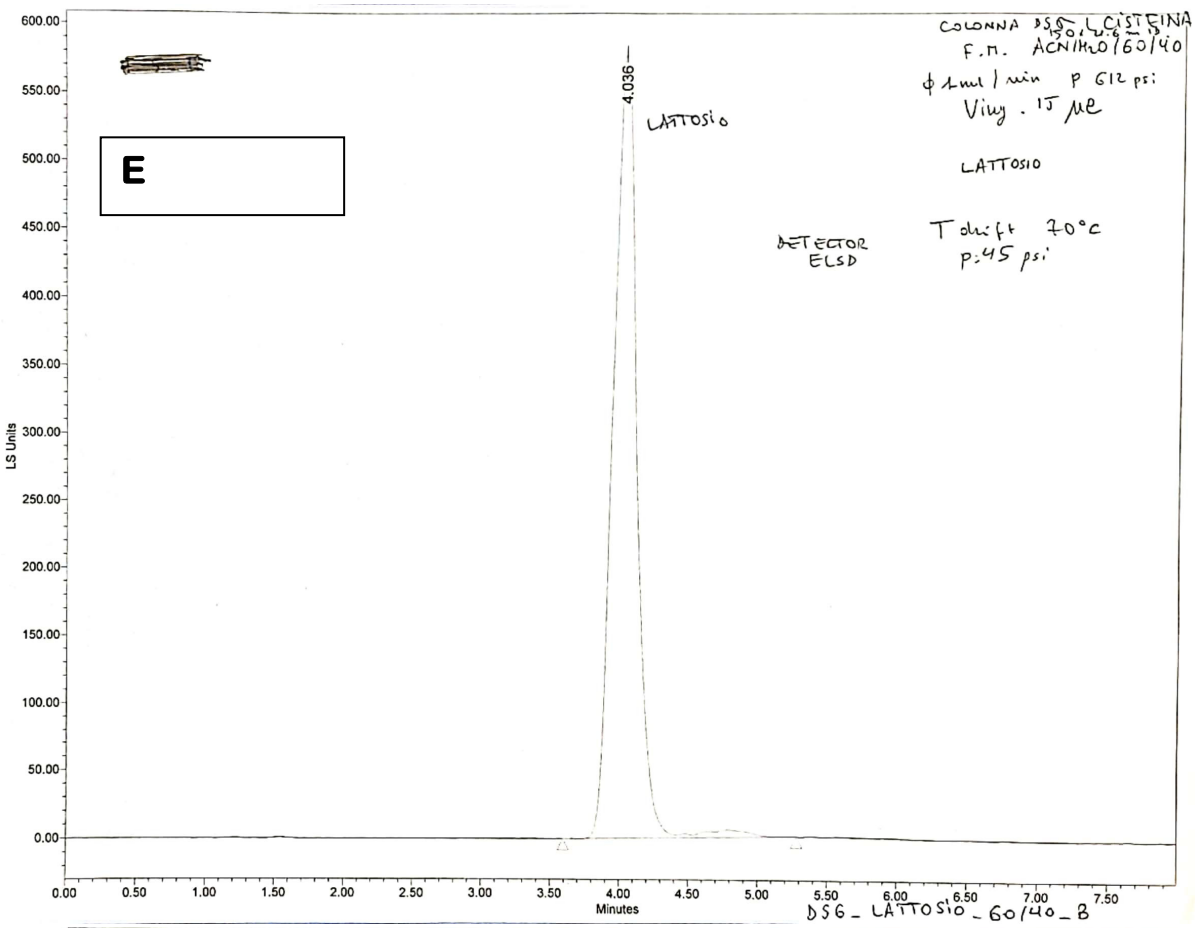


ACN / H2O / 60/40

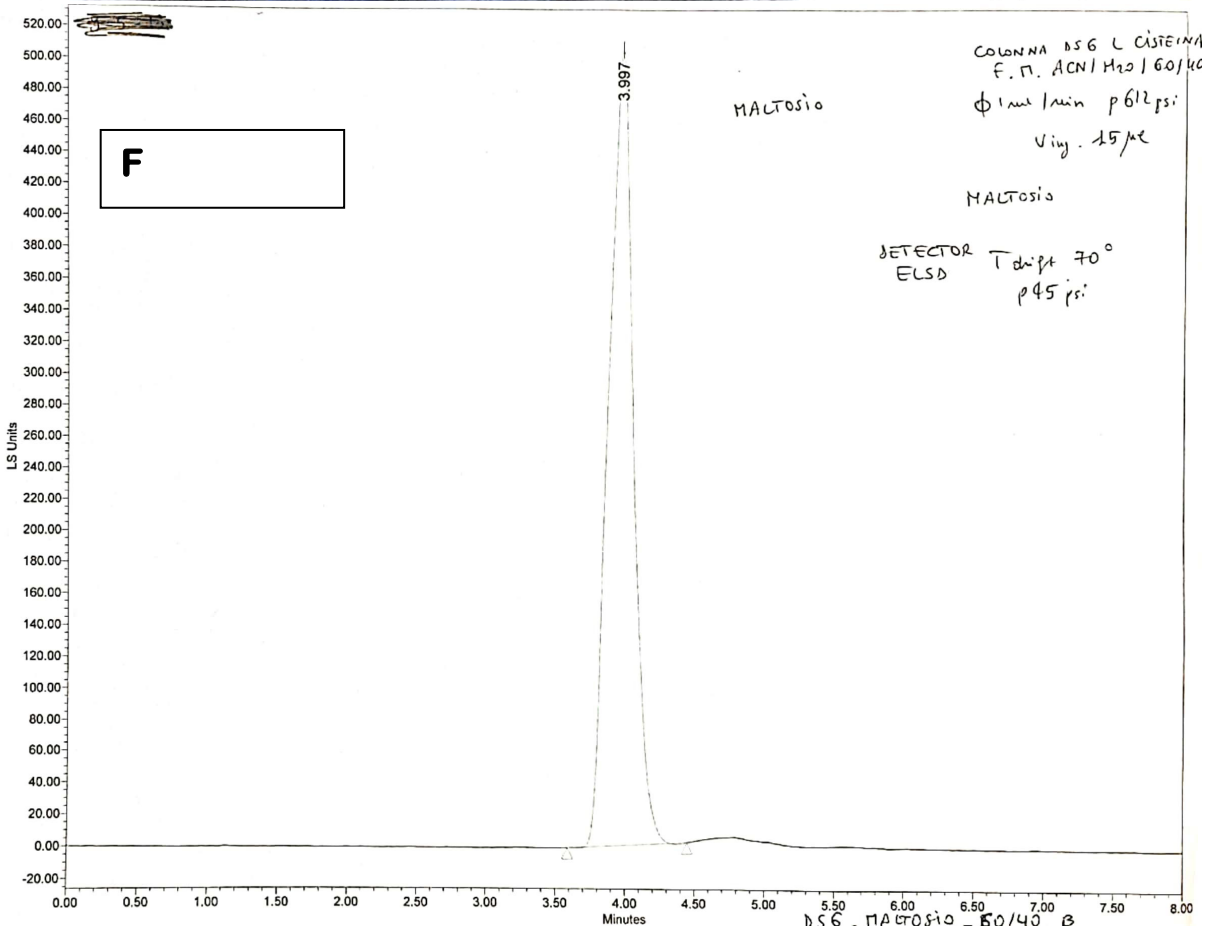


ACN / H2O / 60/40

ACN / H2O / 60/40



ACN/H2O/60/40



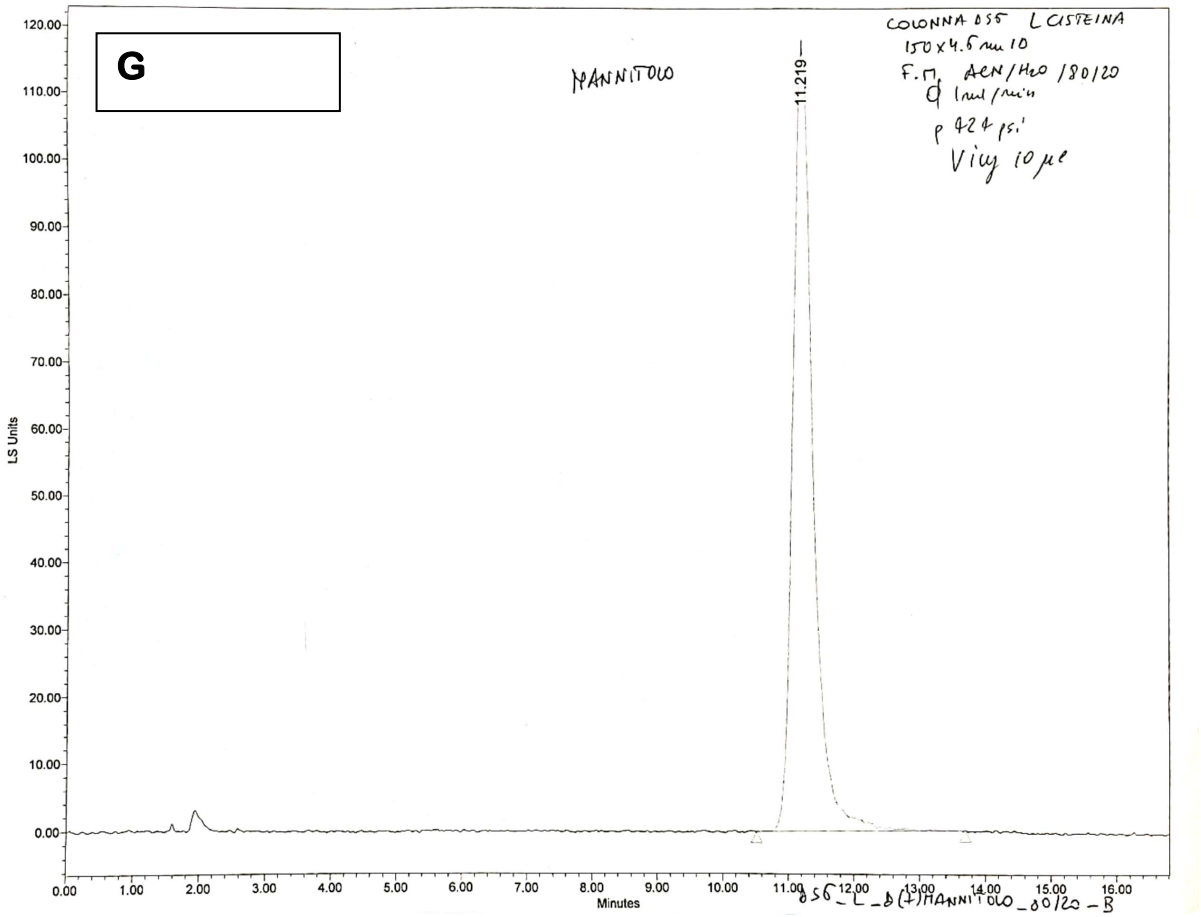


Figure S1. Chromatograms of several sugars (A Ribose; B Inositol; C Sucrose; D Lactulose; E Lactose; F Maltose; G Mannitol). Chromatographic conditions are reported in the main text.