



1,1,1-KESTOPENTAOSE (Lot 200305)

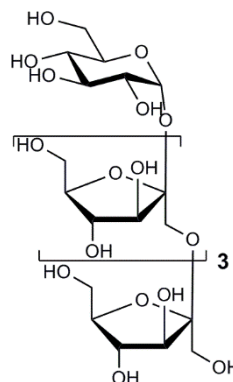
O-KPE

03/20

CAS: 59432-60-9

Molecular Formula: $C_{30}H_{52}O_{26}$

MW: 828.7



(O-β-D-Fructofuranosyl-(2-1)-β-D-fructofuranosyl-(2-1)-β-D-fructofuranosyl-(2-1)-β-D-fructofuranosyl-α-D-glucopyranose)

PREPARATION:

Purified from commercial fructan

PURITY: > 95% (HPLC)

HPLC:

Column: Shodex Asahipak NH2P-40 3E, guard and analytical columns (3 x 25 mm)

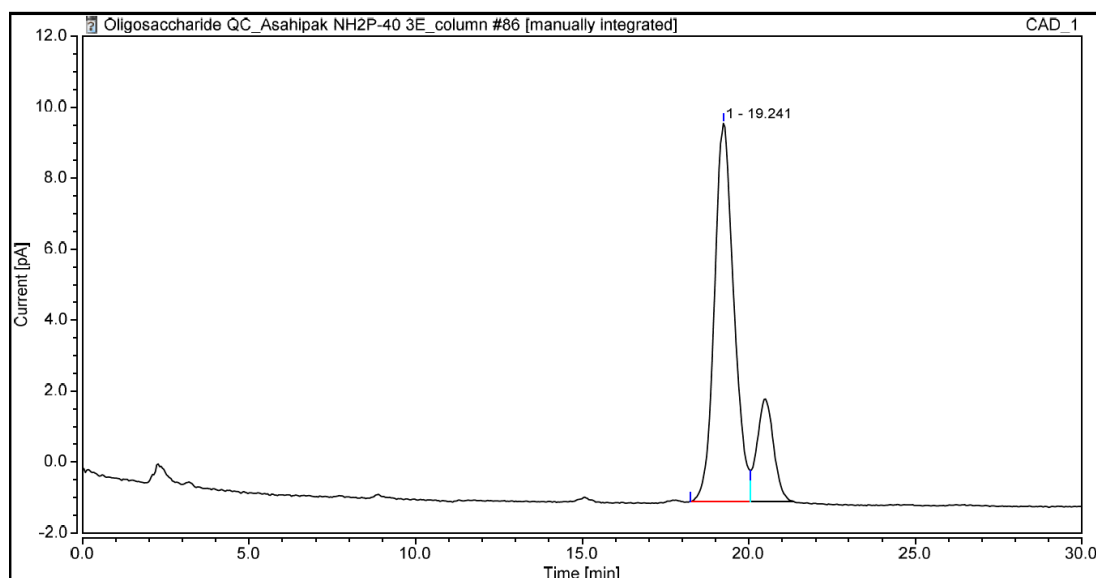
Temperature: 35°C

Flow rate: 0.35 mL/min (Eluent gradient shown below)

Detector: CAD (Charged Aerosol Detector)

HPLC System: Thermofisher U3000 Ultimate and Chromeleon v 7.0 software

Time (min)	H ₂ O (%)	CH ₃ CN (%)
0	30	70
30	30	70



TLC:

n-Propanol:Ethanol:H₂O = 7:1:2 (run once) on Merck TLC Silicagel 60F₂₅₄



O-KTR	O-KTE	O-KPE	O-KPE
150503	150504	150205a	200305