

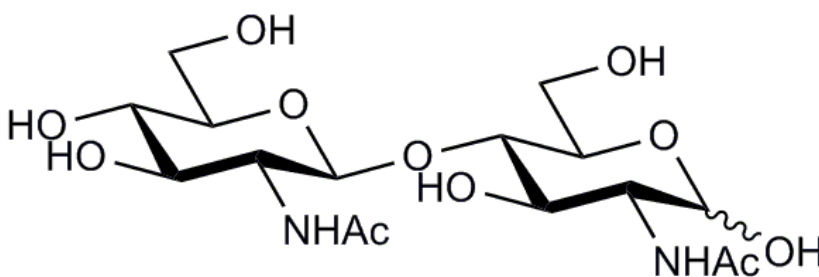


DIACETYL-CHITOBIOSE (Lot 190402)

O-CHI2

04/19

Molecular Formula: $C_{16}H_{28}N_2O_{11}$
MW: 424.4
CAS: 35061-50-8



PREPARATION:

Prepared by controlled acid hydrolysis of chitin

PURITY: > 95% (HPLC)

HPLC:

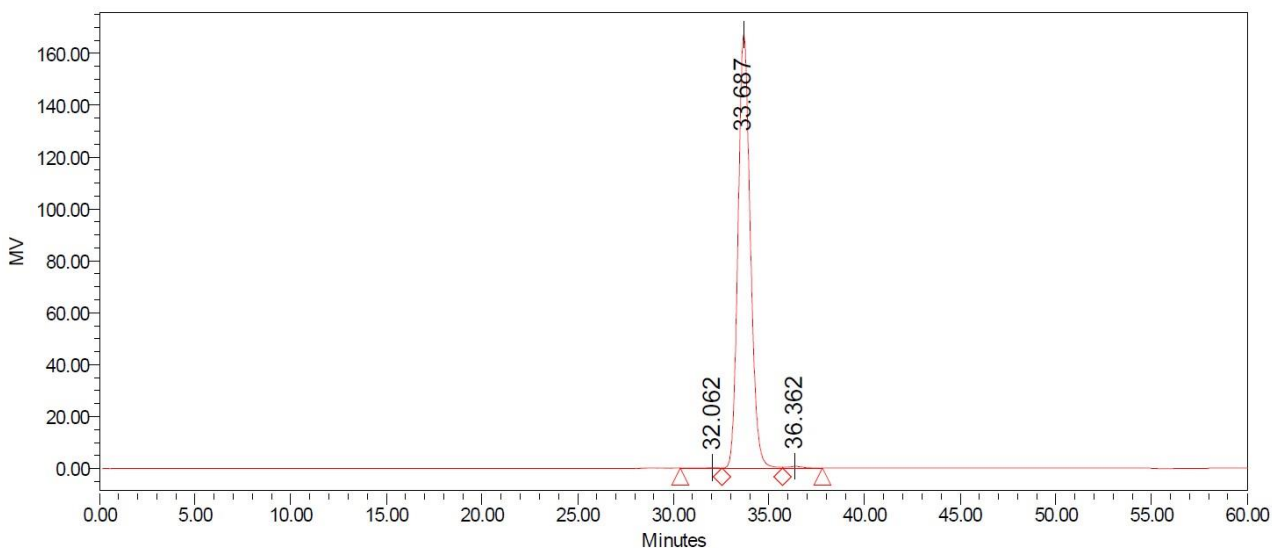
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

Temperature: 80°C

Mobile phase: dH₂O

Flow rate: 0.5 mL/min

HPLC System: Waters Alliance e2695 Separations Module, Waters 2414 RI detector and Empower v 3 software



Processed Channel: 410

	Processed Channel	Retention Time (min)	Area	% Area	Height
1	410	32.062	9736	0.13	241
2	410	33.687	7459049	99.40	167109
3	410	36.362	35454	0.47	663

TLC:

n-Propanol:H₂O:Ammonia = 70:30:1 (run once) on Merck TLC Silicagel 60F₂₅₄

