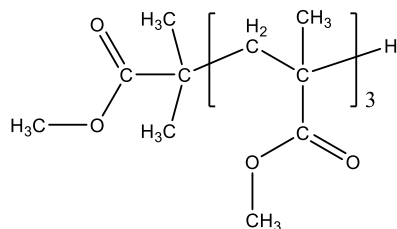


Oligomers of Poly(Methylmethacrylate)

Structure:



Degree of Polymerization	PDI
D _p by HNMR: 3	1.04

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. Degree of polymerization by ¹H NMR analysis.

P42998F1-trimer

Chemical structure of the P42998F1-trimer is shown above the spectrum. The structure consists of three repeating units of a 4-oxo-4-methylpentanoate derivative, linked by ester bonds. The units are labeled with ¹H and ¹³C NMR assignments. The ¹H NMR spectrum (400 MHz, CDCl₃) shows peaks at 3.66 (s, 3H), 1.27 (s, 3H), 3.6 (s, 3H), 3.6 (s, 3H), 1.3 (s, 3H), 1.2 (s, 3H), 1.26 (s, 3H), 2.87-3.04 (m, 6H), 1.13 (s, 3H), 1.08 (s, 3H), and 0.89 (s, 3H). The integration values are provided above the peaks.

Workspace Details	
Workspace name	Calibration 2020-05-25
Location	C:\ProgramData\Agilent Technologies\GPC\Workspaces\Calibration 2020-05-25\
Comments	
Created by	agilent2 at 10:50:19 AM on May-25-20

