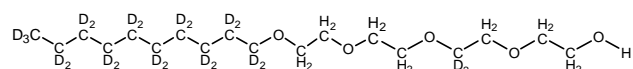


**Sample ID: P18510-PEG-d21decyl**

**Sample Name:**

**(Protonated) Tetraethylene Glycol  
 $\alpha$ -Deuterated (d21) Monodecyl Ether**

**Structure:**



**Composition:**

$M_n$ (g/mol)	$M_w/M_n$
400	1.09

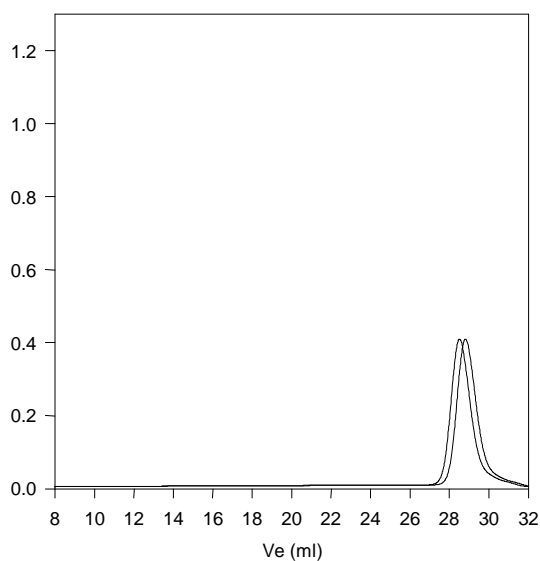
**Synthesis:**

Deuterated decanol-terminated tetraethylene oxide was synthesized by anionic living polymerization.

**Characterization:**

**SEC:**

**P18510- Tetraethylene glycol  
deuterated monodecyl ether**



Size exclusion chromatography:

— 1-decanol d21  
— Tetraethylene glycol mono-decylether deuterated  
 $M_n=403$   $PI=1.09$