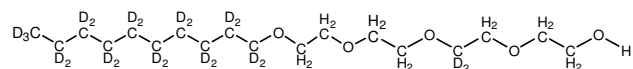


Sample ID: P18509-PEG-d21decyl

Sample Name:

**(Protonated) Tetraethylene Glycol
 α -Deuterated (d21) Monodecyl Ether**

Structure:



Composition:

M_n (g/mol)	M_w/M_n
400	1.09

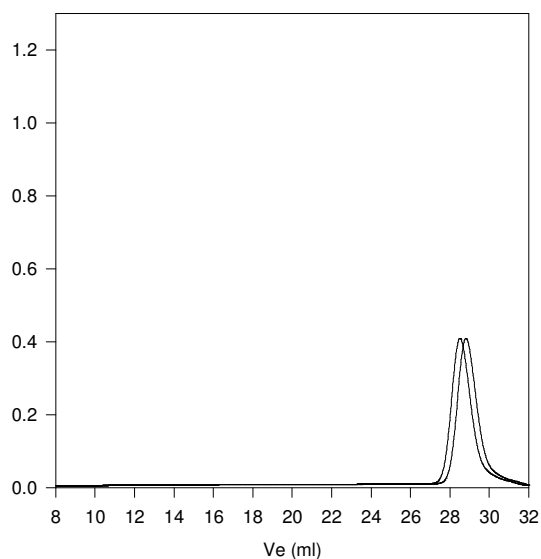
Synthesis:

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

Characterization:

SEC:

**P18509- Tetraethylene glycol
deuterated monodecyl ether**



Size exclusion chromatography:

— 1-decanol d21

- - - Tetraethylene glycol mono decylether deuterated
 $M_n=403$ $PI=1.09$