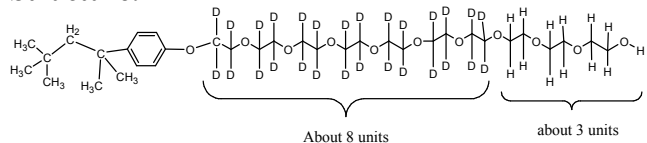


Sample Name: Partially deuterated Polyethylene glycol tert-octylphenyl ether: similar to Triton X10 with stable isotopes poly ethylene glycol

Sample #: P40294-dPEO-TOPE

Structure:



chemical architecture similar to Triton X10 (partially deuterated stable isotopes)

Composition:

Mn x 10 ³	PDI
0.67	1.08
Physical Appearance at room temperature	Wax like and light ivory color

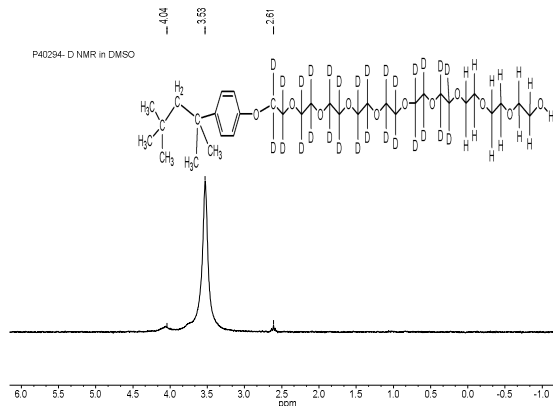
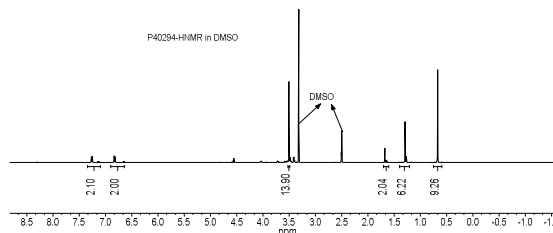
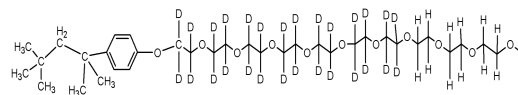
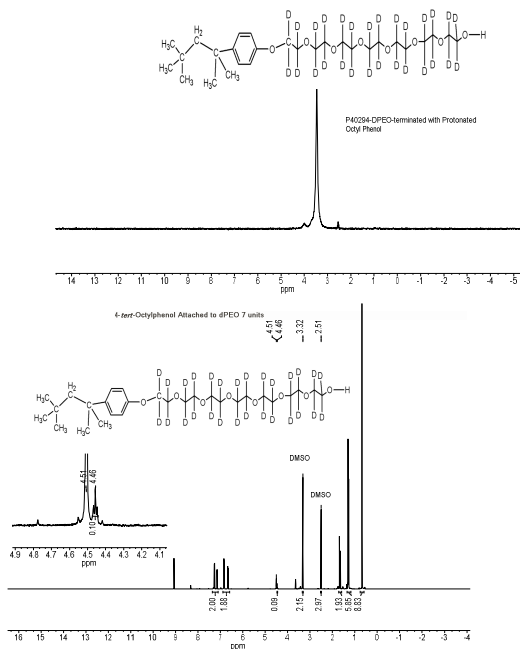
Synthesis Procedure:

The product is polymerized by anionic process under pressure using tert-Octyl phenol Cesium salt. Successive addition of deuterated EO at 130 oC followed by addition of Protonated ethylene oxide monomer.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and H²NMR.

H² NMR of the product:



SEC of the Product:

P40294-dPEO-TOPE

