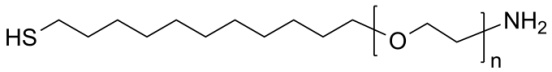
Sample Name:
Poly(ethylene glycol), (α-undecyl thiol, ω-amino)-terminated

Sample #: **P6563-EGNH2(CH2)11SH**

Structure:



Composition:

Mn x 10^3	PDI	SH functionality
2.4	1.10	>99%

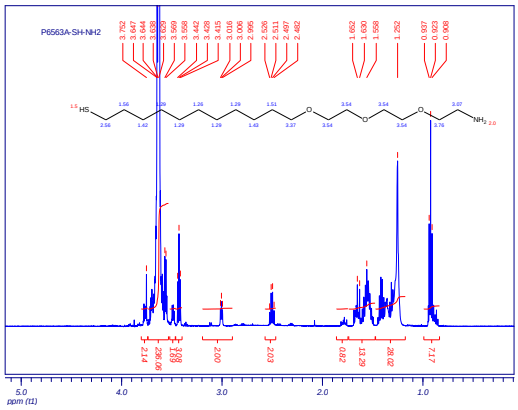
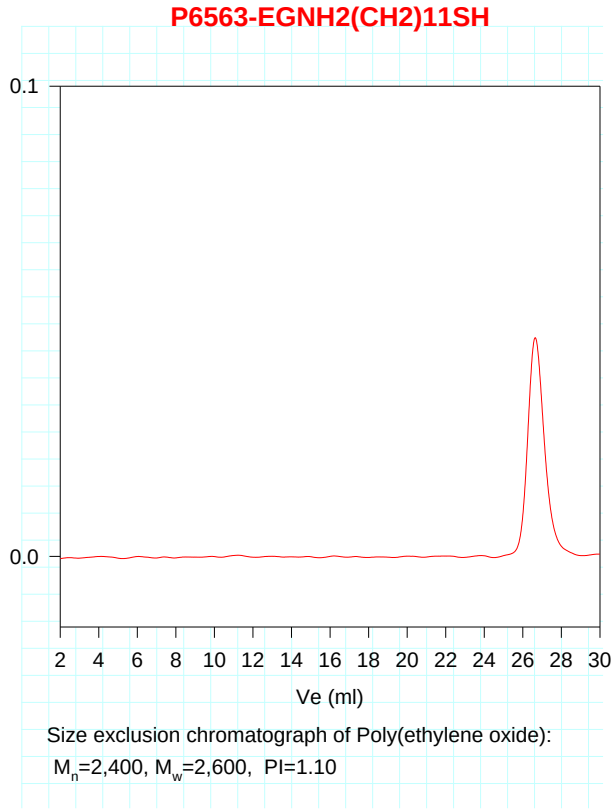
Synthesis Procedure:
Hetero functional α-Alkane (undecane) Thiol ω-Amino Terminated Poly(ethylene glycol) was prepared anionic living polymerization. The procedure is proprietary and is subjected to submit the article for the publication.

Characterization:
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

FTIR:
FTIR is used to monitor the reaction.

Solubility:
Polymer is soluble in water, methanol, ethanol, THF, and $CHCl_3$. It is precipitated out from cold ethanol, isopropanol, hexane, and ether.

HNMR of the Functionality > 99%



SEC of Sample: