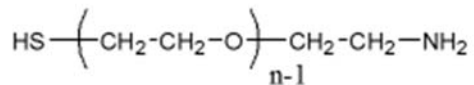


# AE15

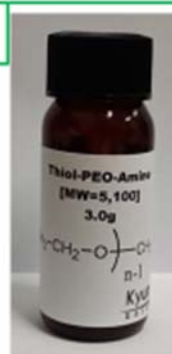
# Certificate of Analysis

Thiol – Poly(ethylene glycol)-amine heterobifunctional endcap (5000Da) (Lot# 150512JAK-A)

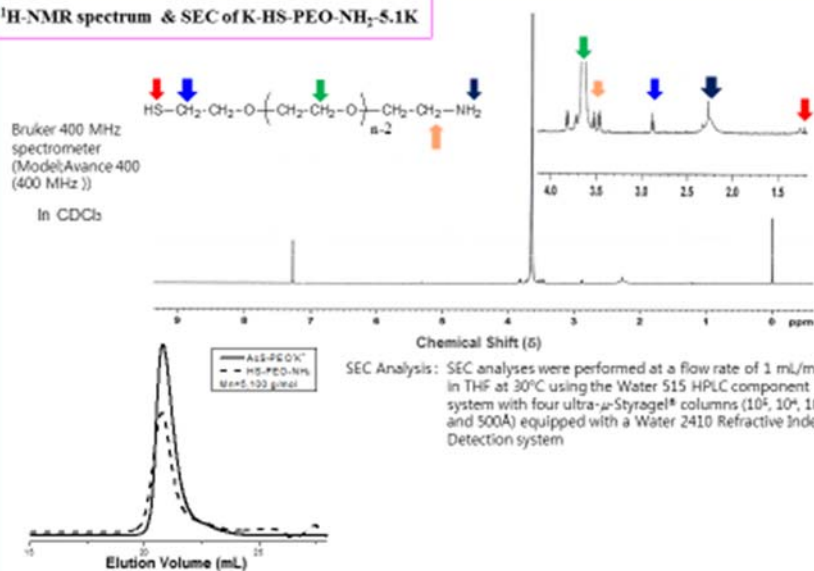
**K-HS-PEO-NH<sub>2</sub>-5.1K : HS-PEO-NH<sub>2</sub>**



$M_n = 5,100 \text{ g/mol}$

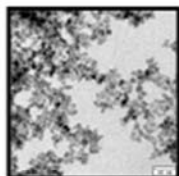


**<sup>1</sup>H-NMR spectrum & SEC of K-HS-PEO-NH<sub>2</sub>-5.1K**



## Applications of K-HS-PEO-NH<sub>2</sub>-5.1K

1. Nanoparticles: Fe<sub>3</sub>O<sub>4</sub> in aqueous media



2. Water-soluble nano-sized Au particles

