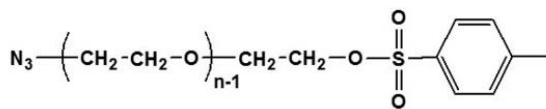


# No. AE025

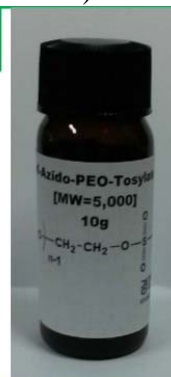
# Certificate of Analysis

Product Name: Azide-Poly(ethylene glycol)-tosylate (5000 Da) (Lot# 60308JAK-D)

## K-Azido-PEO-Tosylate-5K : N<sub>3</sub>-PEO-Tosylate



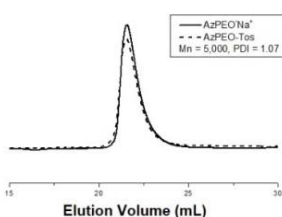
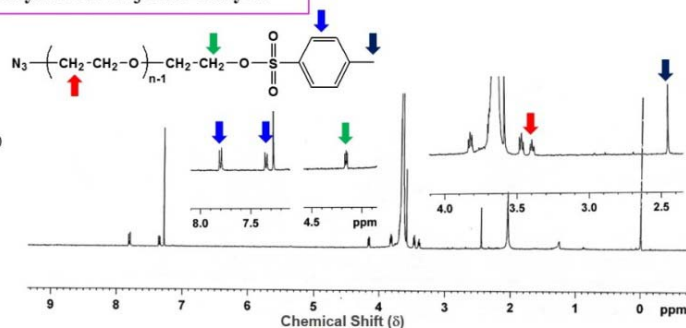
$M_n = 5,000 \text{ g/mol}$



## K-Azido-PEO-Tosylate-5K : N<sub>3</sub>-PEO-Tosylate

Bruker 400 MHz spectrometer (Model: Avance 400 (400 MHz))

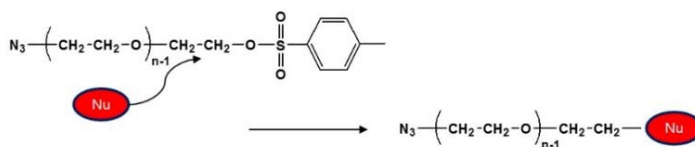
In CDCl<sub>3</sub>



SEC Analysis : SEC analyses were performed at a flow rate of 1 mL/min in THF at 30°C using the Water 515 HPLC component system with four ultra- $\mu$ -Styragel® columns (10<sup>5</sup>, 10<sup>4</sup>, 10<sup>3</sup>, and 500Å) equipped with a Water 2410 Refractive Index Detection system

## Applications of K-Azido-PEO-Tosylate-5K

### 1. Nucleophilic substitution: S<sub>N</sub>2 reaction with nucleophiles



### 2. Click chemistry



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