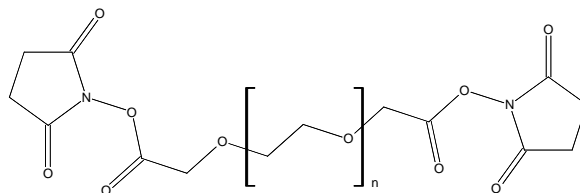


## SPECIFICATIONS

### PEG *bis*-NHS Ester, 3, 000 Da



<b>Catalogue Number</b>	<b>6295</b>
<b>CAS Registry Number</b>	<b>N/A</b>
<b>Molecular Formula</b>	<b>C<sub>4</sub>H<sub>4</sub>O<sub>2</sub>NOOCCH<sub>2</sub>O(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>CH<sub>2</sub>COONC<sub>4</sub>H<sub>4</sub>O<sub>2</sub></b>
<b>Appearance</b>	<b>White to off-white solid</b>
<b>Conformance of Structure (IR)</b>	<b>Conforms</b>
<b>Molecular Weight of Starting Material M<sub>w</sub> (Mali-TOF MS)</b>	<b>3,000 ∓ 300 g/mol</b>
<b>Polydispersity (SEC)</b>	<b>≤ 1.1</b>
<b>Molecular Weight, MW (SEC)</b>	<b>Report only</b>
<b>Ethylene and diethyleneglycol Content of Starting Material (CofA)</b>	<b>≤ 0.20%</b>
<b>Ethylene Oxide Content of Starting Material (CofA)</b>	<b>≤ 1 ppm</b>
<b>Residue on Ignition</b>	<b>≤ 0.7%</b>
<b>% Water (KF)</b>	<b>≤ 0.3% w/w</b>
<b>Microbial Analysis</b>	
<b>Bioburden</b>	<b>&lt; 25 CFU/g</b>
<b>Coliforms</b>	<b>ND</b>
<b>Endotoxins</b>	<b>&lt; 5 EUg</b>
<b>Residual Solvent Analysis</b>	
<b>Methylene Chloride</b>	<b>≤ 600 ppm</b>
<b>Toluene</b>	<b>≤ 890 ppm</b>
<b>Methyl-t-butyl Ether</b>	<b>≤ 5000 ppm</b>
<b>Total NHS Activation (HPLC)</b>	<b>≥ 90%</b>
<b>PEG Diacid (HPLC)</b>	<b>≥ 95%</b>
<b>Storage</b>	<b>Long Term: -15 ± 5°C under nitrogen or argon; protect from light. Before opening container, warm to room temperature to avoid condensation of water. Short Term &amp; Shipping: 2-8°C under nitrogen or argon. Protect from light for extended periods of time.</b>
<b>Product Use/Application</b>	<b>For the modification of proteins</b>