Compounds ${\bf 1}$ and ${\bf 2}$ in Scheme 1. Here's a reference to in-text creation of ${\bf 3}$ that we can later refer to.

Scheme 2: This is something else!

$$C_5H_{11}$$
 C_5H_{17} C_5H_{11} C_5H_{17} C_8H_{17} C_8H_{17} C_8H_{17}

Compounds ${\bf 4}$ and ${\bf 5}$ in Scheme 2. Hey remember ${\bf 3}$? chemnum still remembers it correctly, and see how the compound numbering continues throughout the scheme diagrams!

Scheme 3: This is again something else!

$$C_5H_{11}$$
 OC_8H_{17} C_5H_{11} OC_8H_{17} OC_8H_{17} OC_8H_{17}

Compounds $\bf 9$ and $\bf 10$ in Scheme 3. (Yes we manually modified the compound numbering counter after Scheme 2).