Figure 2.1
Figure 2.2
Figure 2.3
Figure 2.4

\[
\begin{align*}
(salen)\text{Al} & \xrightarrow{\text{(50 bar) CO₂}} (salen)\text{Al} \xrightarrow{100 \degree \text{C}} (salen)\text{Al} \\
1 & \rightarrow 3
\end{align*}
\]
Figure 2.5

Al–O–Al $\xleftarrow{\text{CO}_2}$ AlO–OAl $\xrightarrow{\text{epoxide}}$ Al–O–O–Al

No external CO$_2$ needed if start from 2. Overall inversion

External CO$_2$ needed. Overall retention

$\text{racemisation only when } R = \text{Ph}$
Figure 2.7
Figure 2.8
Figure 2.12
Figure 3.1

Global glycerol production

[Mt/a]

<table>
<thead>
<tr>
<th>Year</th>
<th>Production</th>
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</thead>
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<tr>
<td>2005</td>
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<tr>
<td>2008</td>
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<td>2015</td>
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