The image contains a chemical reaction diagram. The reaction begins with a molecular structure on the left side, which undergoes a series of steps to form the target product on the right. The steps include initiation, propagation, and termination. The reaction conditions are indicated at the bottom of the diagram, with specific mention of conditions like wet SiO2 and base-cat. isomerization. The diagram also shows a product labeled as PDT at the bottom left.
retro-aldol

conjugate addition

different product also possible

conjunctive addition
Sakurai-type reaction

(from TFAA & water generated in situ)

(isomerization)

(PDT)
Alternatively, a dyotropic rearrangement—

\[ \text{PDT} \]

\[ \text{PDT} \]