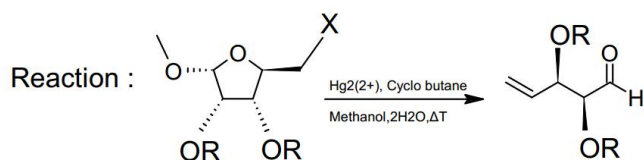


# DBore Ring Opening

Dronadula Borraiah

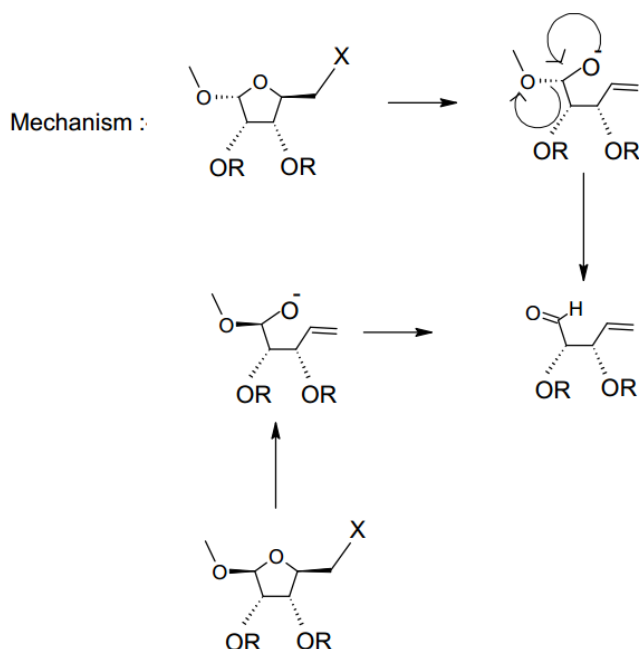
**Abstract:** Mercury - induced reductive stereo controlled ring opening to produce highly functionalized olefinic aldehyde's.

**Keywords:** Cyclo butane, Methanol, H<sub>2</sub>O, Olefinic aldehyde's, Mercury

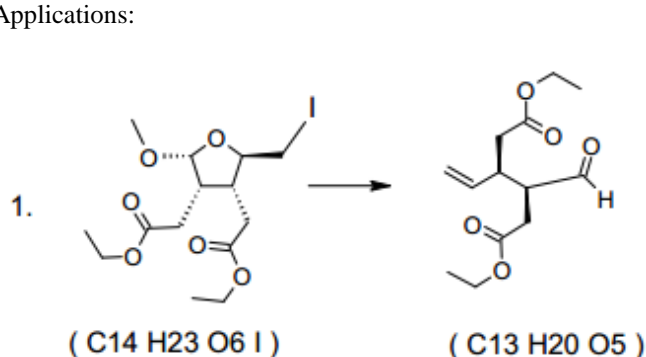


Theory:

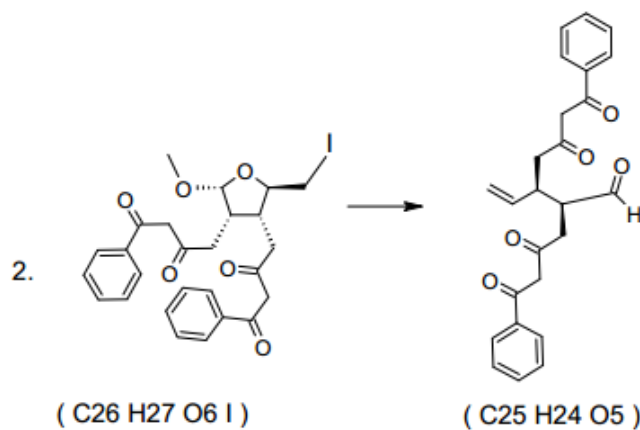
Mercury - induced reductive stereo controlled ring opening to produce highly functionalized olefinic aldehydes



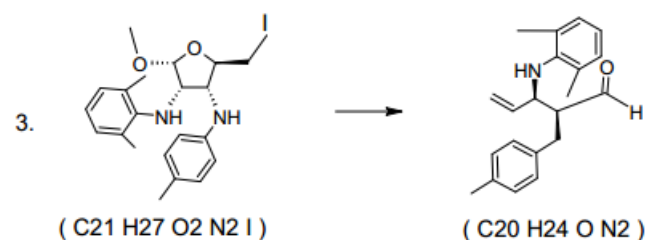
Applications:



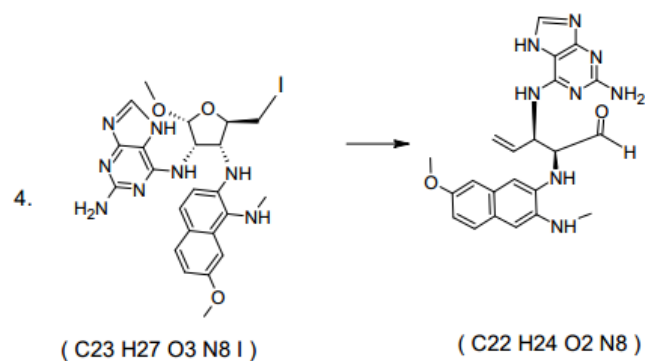
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury 3h heating.



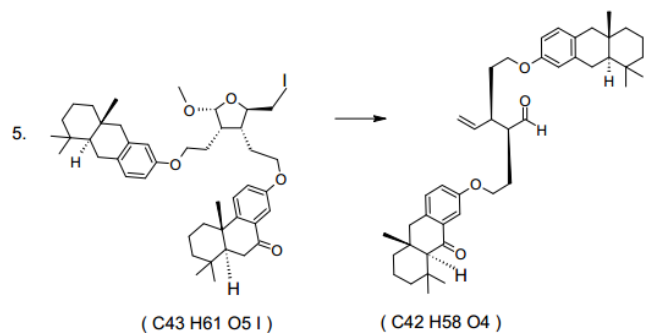
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury 2h heating.



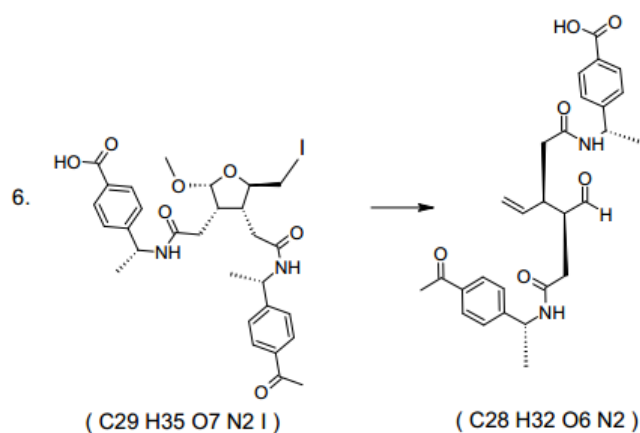
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 C; 1h heating.



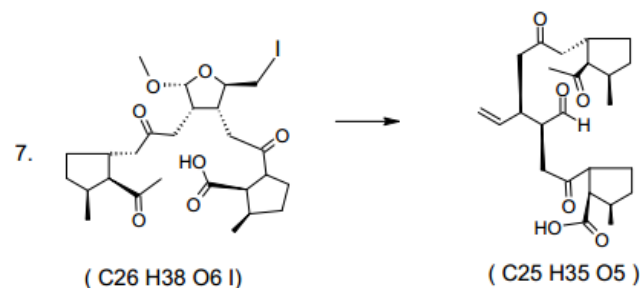
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 - 85 C; 2h heating.



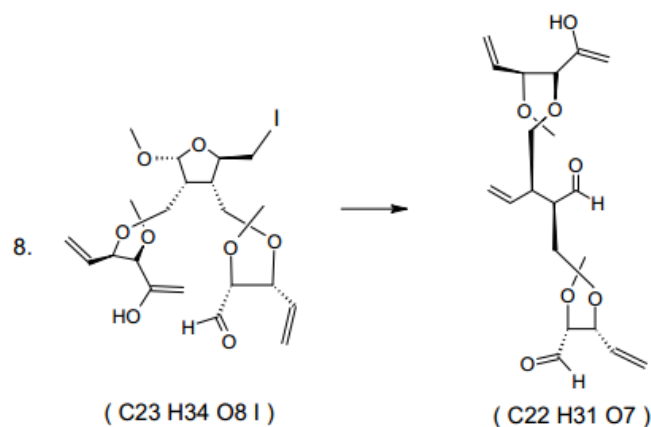
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 - 85 C; 1h heating.



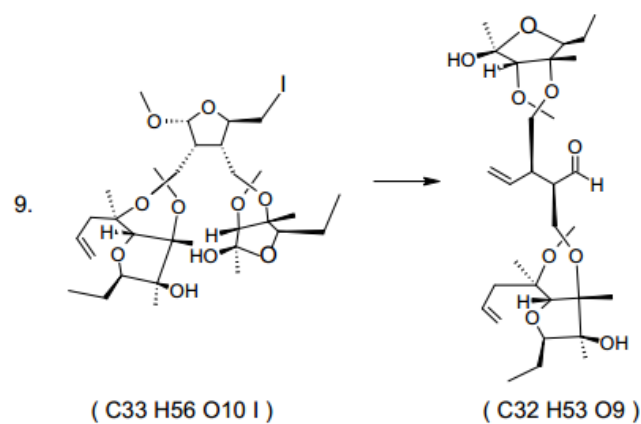
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 C; 1.5h heating.



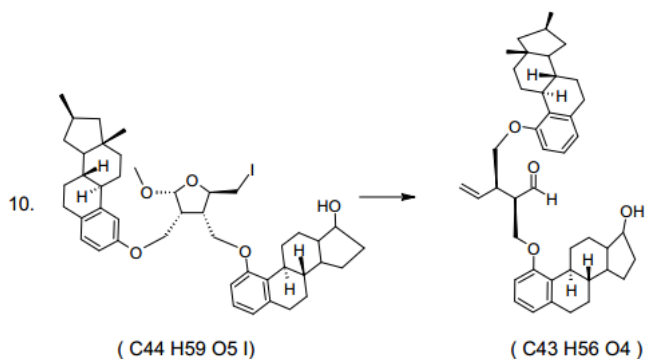
Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 C; 5h heating.



Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 C; 2h heating.



Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 C; 1.5 h.



Highly functionalized olefinic aldehydes are formed from induced reductive stereo controlled ring opening in the presence of mercury T = 80 C; 5 h.

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