In-Class Solutions: Stereoselectivity of E2

Br
$$CH_3$$
 H_3C Br H_3C H_3 H_3C H_3 H_3 H_3 H_3 H_4 H_4 H_4 H_5 H_5 H_5 H_5 H_5 H_5 H_5 H_6 H_6 H_7 H_8 H_8

(R,R)-2,3-dibromobutane

rotate central
$$C-C$$
 bond

$$CH_3O \overset{}{\bigoplus} H$$

$$H_3C \overset{}{\Longrightarrow} H$$

$$CH_3 = H_3C \overset{}{\Longrightarrow} H$$

$$H_3C \overset{}{\Longrightarrow} H$$

$$CH_3 = H_3C \overset{}{\Longrightarrow} H$$

$$H_3C \overset{}{\Longrightarrow} H$$

2-bromo-(Z)-but-2-ene