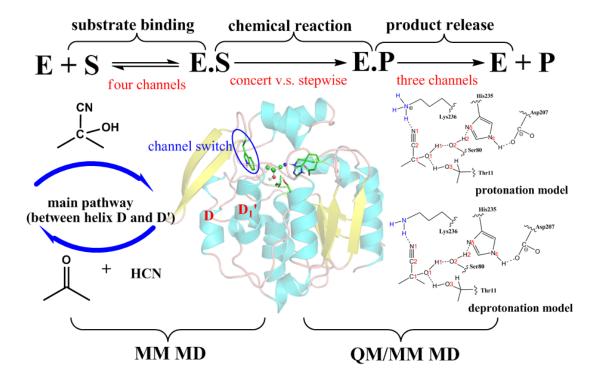
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TOC



Full picture of the enzymatic catalysis by Hydroxynitrile Lyases from *Hevea Brasiliensis* (*Hb*HNL), which comprises the protonation dependent chemical steps and the residue-gated movement of substrate and product.