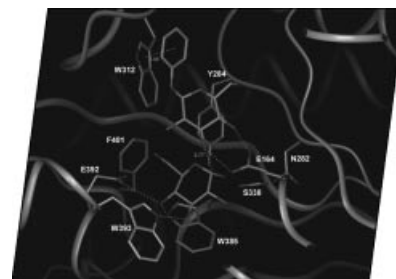


COVER PICTURE

The cover picture shows the molecular modeling of the active site of a “glycosynthase” mutant obtained by directed mutagenesis (E338S) of the native thermostable Tt- β -Glycosidase from *Thermus thermophilus*. The relative orientations of the donor (α -D-glucopyranosyl fluoride) and of the acceptor (phenyl β -D-glucopyranoside), which corresponded to an energy minimum, were in agreement with the β -(1 \rightarrow 3) regioselectivity exhibited by this E338S mutant enzyme. The stabilization of the initial ligands in this state, particularly due to stacking between the phenyl aglycon group of the acceptor and W312, gives an explanation for the very good transglycosylation yields (95%) obtained by using phenyl β -D-glucopyranoside. Details are discussed in the article by M. Dion et al. on p. 1977ff.



MICROREVIEW

Contents

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Conformation-Directed Macrocyclization Reactions

Keywords: Macrocycles / Conformation-directed
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