



Showcasing research from the laboratory of Professor Jürgen Seibel at the University of Würzburg, Germany.

Switching enzyme specificity from phosphate to resveratrol glucosylation

A simple point mutation (Q345F) triggers the shift of an adjacent domain in a sucrose phosphorylase. This results in a completely restructured active site and the variant prefers naturally derived polyphenols like resveratrol over the original phosphate substrate.

As featured in:



See Clemens Grimm,
Jürgen Seibel et al.,
Chem. Commun., 2017, **53**, 12181.