



Showcasing research from the Lab of Applied Biocatalysis, School of Food Science and Engineering, South China University of Technology.

Machine learning-guided engineering of chalcone synthase enables high-selectivity phloretin biosynthesis in yeast

This article presents the machine learning-guided engineering of chalcone synthase to effectively overcome substrate promiscuity, and provide a robust framework for the microbial production of diverse high-value natural products.

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See Guangjian Li, Yufei Cao, Wen-Yong Lou *et al.*, *Green Chem.*, 2025, **27**, 12602.