



Showcasing research from Professor Xiao-Jun Ji's laboratory, College of Biotechnology and Pharmaceutical Engineering, Nanjing Tech University, Nanjing, China.

Constructing a green oleaginous yeast cell factory for sustainable production of the plant-derived diterpenoid sclareol

The engineered oleaginous yeast cell factory offers a sustainable platform for the production of diterpenoid sclareol, which is traditionally extracted from the plant *Salvia Sclare*. The sclareol can be used as a significant precursor of fragrance molecule Ambroxan. While the Ambroxan serves as a valuable alternative to Ambergris, which were traditionally extracted from sperm whale, now an endangered species.

As featured in:



See Xiao-Jun Ji *et al.*, *Green Chem.*, 2024, **26**, 5202.