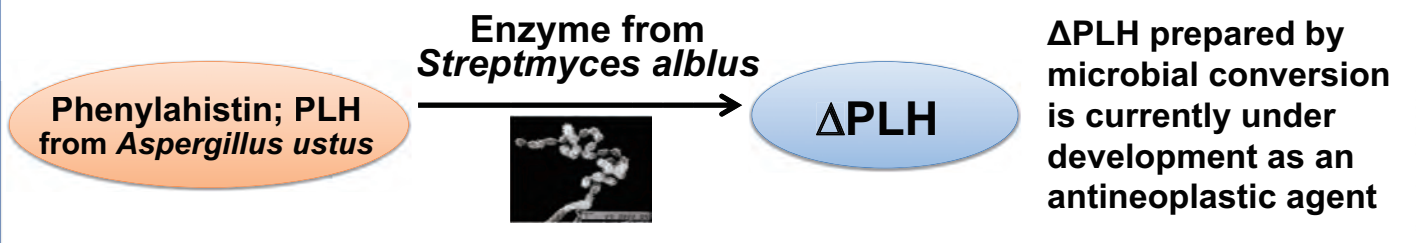


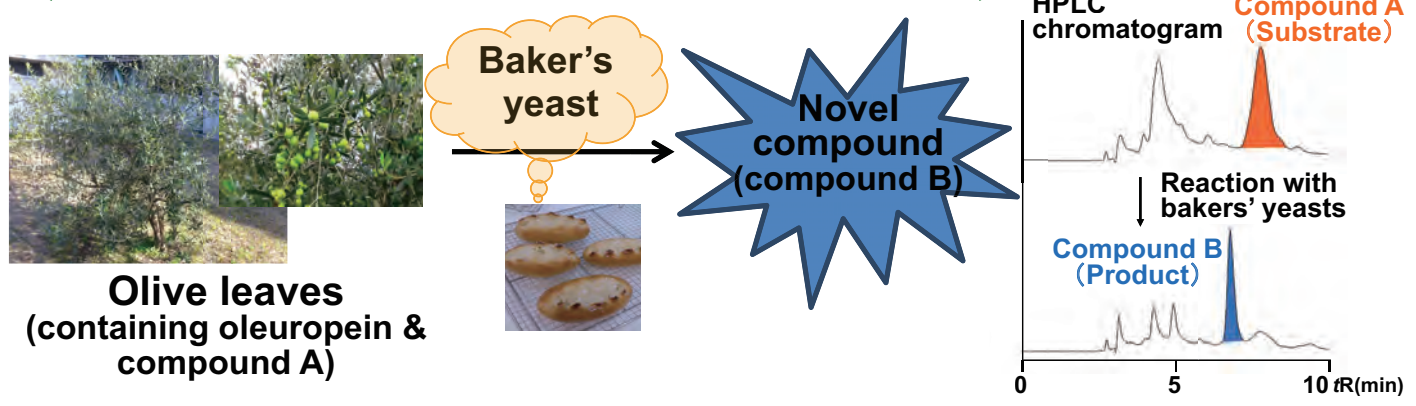
High functionalization of olive leaf extract

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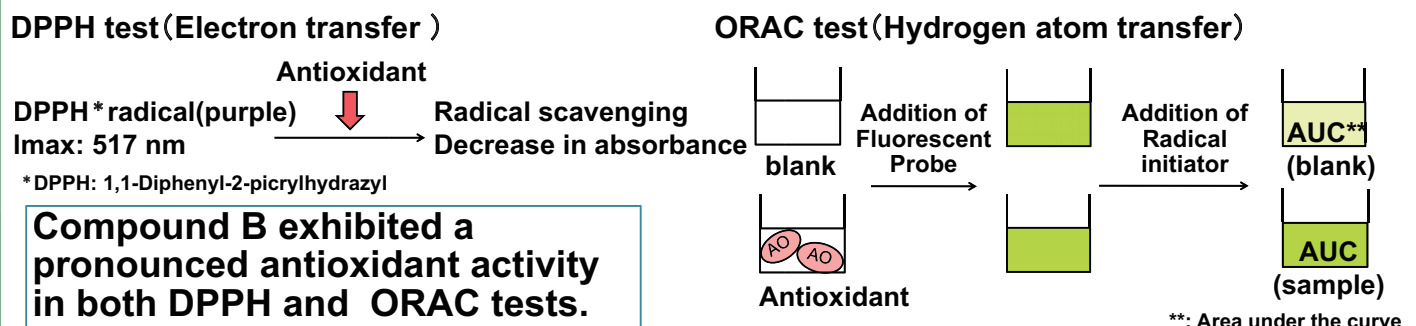
<Example of high functionalization by bioconversion>



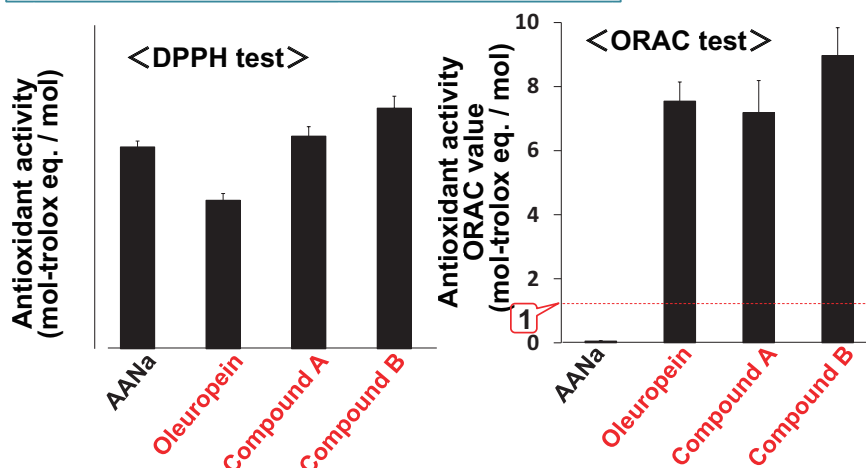
<Microbial conversion of olive leaf constituent>



<Antioxidant activity of oleuropein analogs>



Compound B exhibited a pronounced antioxidant activity in both DPPH and ORAC tests.



Microbial conversion of olive leaf extracts results in potent antioxidant compound, which is possibly utilized as cosmetic or food materials.