

# OXYFUNCTIONALIZATION

HYDROXYLATION,  
EPOXIDATION or  
DEALKYLATION of

API

FLAVOUR & FRAGRANCES

AGROCHEMICALS

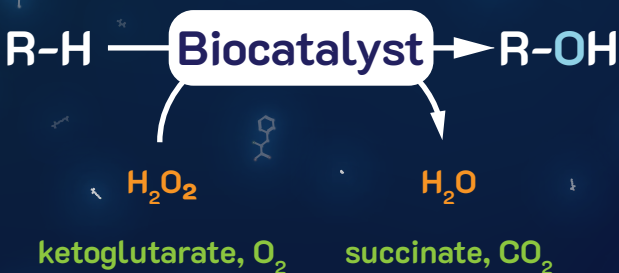
COSMETICS



 **AMINOVERSE**  
EXPLORING ENZYME INNOVATION

# BIOCATALYSTS

OUR COLLECTION SPANS  
> 100 BIOCATALYSTS



**UPO**

**Unspecific PerOxygenases**

naturally broad substrate  
spectrum

**KGO**

**Fe(II)- $\alpha$ -KetoGlutarate-  
dependent Oxygenases**

naturally broad on  
intracellular compounds

# UPO

## REACTIONS on

fatty acids

steroids

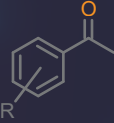
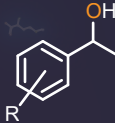
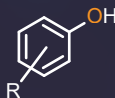
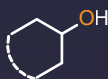
alkenes

heterocycles

alkanes

terpenes

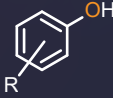
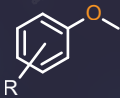
### Hydroxylation (/Ketone formation)



### Epoxidation



### Demethylation



## SPECIAL FEATURE

Sulfoxydation

# KGO

## REACTIONS on

metabolites

antibiotics

nucleotides

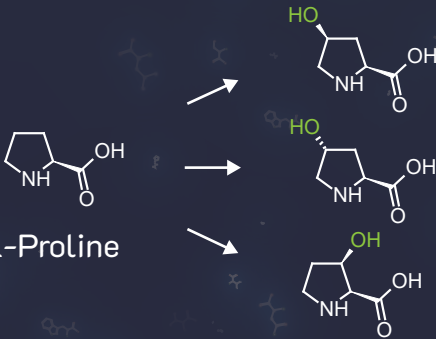
amino acids

nucleosides

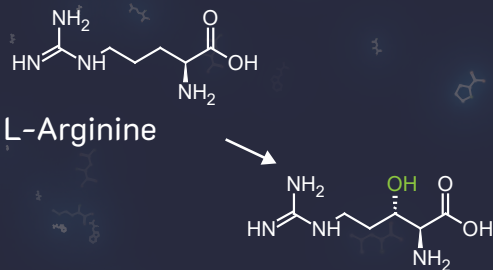
### Hydroxylation



L-Leucine



L-Proline



L-Arginine

## SPECIAL FEATURE

Halogenation

# YOUR BENEFITS



## **SPECIFIC**

Reactions are regio- and stereoselective

## **SCALABLE**

Biocatalysts are available up to kg scale



## **UNRESTRICTED**

Biocatalysts included in the kits are free of third-party IP

## **EXPERIENCED**

Benefit from our expertise in enzyme and process development



# CONTACT

Integrate **BIOCATALYSIS**  
into your  
**SYNTHESIS ROUTE!**



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