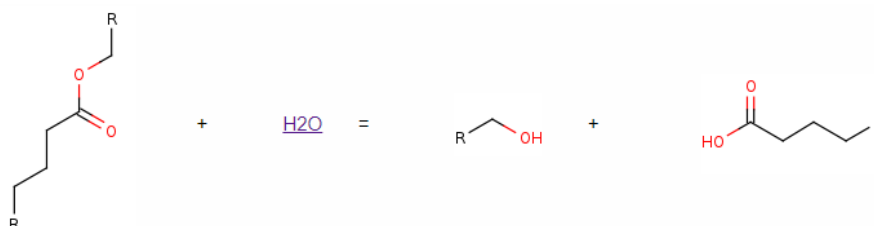


Esterase PL

E.C. 3.1.1.1

Description: Esterase for enantioselective splitting of esters from primary alcohols and short-chain carbonic acids. Esterification of primary alcohols with short- and long-chain carbonic acids.

Catalysed reaction:



Carboxylic acid esters + H₂O → Primary alcohol + carboxylate

Origin: *Pig liver*

Application: Organic synthesis

Activity: > 400 U/ g
(Method: ASA Spezialenzyme GmbH)

Specific activity: > 1 U/ mg Protein

Esterification: Primary alcohol with long- and short chain carbonic acids
Propanol + oleic acid
Octanol + phthalic acid/ tartaric acid

Secondary alcohol with short chain carbonic acids
Menthol + acetic acid

Amino acids with short chain carbonic acids
Cysteine + acetic acid

Parameter: pH Optimum: 6
 Temperature Optimum: 60°C

Article-no.: 2410

Form of delivery: Lyophilizate

Stability: Stable at -20°C

Storage: -20°C