

Esterase EL-01

Triacylglycerol lipase, Triacylglycerol (acyl)hydrolase
EC 3.1.1.3

Description: Esterases/ Lipases for the esterification of primary alcohols.
Low activity with secondary alcohols

Origin: *Rhizopus niveus*

Application: organic synthesis

Activity: > 350 U/g substrate: Glycerintributytrat
> 100 U/g substrate: olive oil
(Methods: ASA Spezialenzyme GmbH)

Esterification: primary alcohols with long- and short-chain carbonic acids
citronellol + oleic acid / butyric acid
octanol + oleic acid / butyric acid
fructose + oleic acid / butyric acid

Parameters of reaction: pH optimum: 7, activ within pH 5.0 – 8
temperature optimum: 45°C, activ within 20 – 45°C

Dosage: 20 - 100 mg Esterase EL – 10 per liter for degradation of fats
(reaction time: 1 - 5 hour, temperature = 40°C, pH 7.0)

Order-No.: 2420

Form of delivery: light-coloured brown powder

Storage: 4°C