Creative Enzymes®

Native Rhizopus oryzae Lipase

Cat. No. NATE-0404

Lot. No. (See product label)

Introduction

Description Triacylglycerol lipase is an enzyme with system name triacylglycerol acylhydrolase. This enzyme catalyses the following chemical reaction:triacylglycerol + H2O↔ diacylglycerol + a carboxylate.

Applications Lipases are used industrially for the resolution of chiral compounds and the transesterification production of biodiesel.

Synonyms EC 3.1.1.3; 9001-62-1; Lipase; Triacylglycerol acylhydrolase; Triacylglycerol lipase; butyrinase; tributyrinase; Tween hydrolase; steapsin; triacetinase; tributyrin esterase; Tweenase; amno N-AP; Takedo 1969-4-9; Meito MY 30; Tweenesterase; GA 56; capalase L; triglyceride hydrolase; triolein hydrolase; tween-hydrolyzing esterase; amano CE; cacordase; triglyceridase; triacylglycerol ester hydrolase; amano P; amano AP; PPL; glycerol-ester hydrolase; GEH; meito Sangyo OF lipase; hepatic lipase; lipazin; post-heparin plasma protamine-resistant lipase; salt-resistant post-heparin lipase; heparin releasable hepatic lipase; amano CES; amano B; tributyrase; triglyceride lipase; liver lipase; hepatic monoacylglycerol acyltransferase

Product Information

Source Rhizopus oryzae

Form powder, light brown

EC Number EC 3.1.1.3

CAS No. 9001-62-1

Activity > 30 U/mg

Optimum pH 7.2 (highly active from pH 6.5-7.5)

Unit Definition 1 U corresponds to the amount of enzyme which releases 1 μmol fatty acid from triglycerides per minute at pH 7.2 and 37 C (olive oil as substrate)