



#1103

Lipase Immobilization

LIPASE IMMOBILIZATION ON DIFFERENT SOLID MATRIXES

DESCRIPTION

Immobilization of lipases on new inorganic and polymeric solids (e.g., magnetic chitosan, polyethylene attached to aluminium) to be used as supported biocatalysts.

APPLICATIONS

Pharmaceutics | Food | Biorefineries | Cosmetics |

ADVANTAGES

- Green, environmentally friendly immobilization process
- High activity and selectivity in test reactions
- Ad-hoc design of immobilization methodology considering the particular protein
- Easily tailored to specific uses and conditions
- Possibility of immobilizing lipases onto magnetic supports

DEVELOPMENT STATUS

Laboratory scale completely developed.

RESEARCHERS

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