

In-situ crosslinking of *Aspergillus flavus* lipase: improvement of activity, stability and properties

ABSTRACT

The mycelium-bound lipase of *Aspergillus flavus* was stabilised by cross-linkage using glutaraldehyde or methylglyoxal. Lipase activity was enhanced by up to 48% by treatment with methylglyoxal but not by glutaraldehyde. Cross-linking with methylglyoxal increased the thermal stability of the lipase by 58% at 50°C.

Keyword: *Aspergillus flavus*; Cross linking; Lipase