

Article Abstract

Title:	Composition of statins produced by indigenous strain of <i>Aspergillus terreus</i>
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Abstract:	Composition of statins produced by <i>Aspergillus terreus</i> 20 indigenous strain in submerged fermentation (SmF) has been studied. Identification of statin compounds in fungal extracts by LC-MS-MS analysis revealed 6 polyketide metabolites: lovastatin (LV) in lactone, acid and methyl ester forms, pravastatin (PV), monacolin L (ML) and simvastatin (SV). For the first time it has been revealed the ability producing simvastatin by <i>A. terreus</i> by direct fermentation.
Keywords:	<i>Aspergillus terreus</i> , statins, composition, HPLC, LC-MS-MS analysis, mass spectra.