

Title (en)
COMPOSITIONS AND METHODS FOR HYDROXYLATING EPOTHILONES

Title (de)
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR HYDROXYLIERUNG VON EPOTHILONEN

Title (fr)
COMPOSITIONS ET METHODES D'HYDROXYLATION D'EPOTHILONES

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Abstract (en)
[origin: WO03057830A2] Isolated nucleic acid sequences and polypeptides encoded thereby for epothilone B hydroxylase and mutants and variants thereof and a ferredoxin located downstream from the epothilone B hydroxylase gene are provided. Also provided are vectors and cells containing these vectors. In addition, methods for producing recombinant microorganisms, methods for using these recombinant microorganism to produce hydroxyalkyl-bearing epothilones and an epothilone analog produced by a mutant of epothilone B hydroxylase are provided.

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