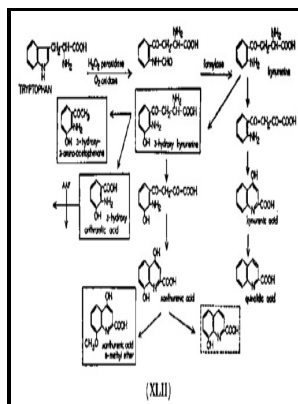


Biotransformations

Springer-Verlag - Organoarsenical Biotransformations by *Shewanella putrefaciens*



Description: -

- Commercial catalogs -- Directories.
- Mail-order business -- United States -- Directories.
- Organic compounds -- Synthesis.
- Enzymes -- Biotechnology. Biotransformations
- Advances in biochemical engineering/biotechnology -- 63 Biotransformations
- Notes: Includes bibliographical references and indexes.
- This edition was published in 1999



Filesize: 8.88 MB

Tags: #Biotransformations #in #Organic #Chemistry

Biotransformation

Speciation of thioarsenicals through application of coffee ring effect on gold nanofilm and surface-enhanced Raman spectroscopy.

Fermentation Hopping & Biotransformations

This was demonstrated using a Baeyer—Villiger monooxygenase in combination with light, FAD, and EDTA as electron donor and , Entry 7. A review including discussions of time-resolved anal.

Fermentation Hopping & Biotransformations

Especially, the progress in the field of directed evolution enabled the straightforward modification of enzymes and their adaption to different reaction conditions.

Consequences of bile salt biotransformations by intestinal bacteria

One example highlights the efficient wiring of the FAD-dependent glucose-dehydrogenase FAD-GDH to PbS quantum dot QD -sensitized inverse opal-TiO 2 IO-TiO 2 electrodes by means of an Os-complex-containing redox polymer for the visible-light-driven glucose oxidation. In vitro and in vivo functional assays unequivocally prove light-dependent protochlorophyllide redn. Molecular Microbiology 2019, 111 2 , 487-494.

Biotransformations: Microbial Degradation of Health

Just a single light flash of a few milliseconds to femtoseconds is enough to convert all the substrate that is bound to the enzyme.

ToxTutor

E Switchable enantiospecificity of a photoswitchable variant of lipase 2 from *Bacillus thermocatholatus*. .

ToxTutor

This study highlights the efficient wiring of FAD-dependent glucose dehydrogenase FAD-GDH to PbS QD-sensitized inverse opal TiO₂ electrodes IO-TiO₂ by means of an Os-complex-contg.

Fermentation Hopping & Biotransformations

As starting material, ribulose-1,5-bisphosphate was used. The system was expanded with the addition of titanium-dioxide-based Au—TiO₂ or V—TiO₂ photocatalysts to the flavin-based regeneration of ene-reductases. In many cases, the photocatalytic reactions proceed under milder reaction conditions, typically at room temp.

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