Institute of Chemical Engineering

Designing of cometabolic microbial degradation of 1,4-dioxane: literature studies and experiments

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Abstract: Major methods of 1,4-dioxane degradation were described and different bacterial strains using that xenobiotic as a source of carbon and energy were presented. Microbial growth tests during 1,4-dioxane degradation in metabolic and cometabolic processes were conducted. The tests of the inducibility of monooxygenase, the main enzyme of 1,4-dioxane biodegradation pathway, were also provided.

Attachments:

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