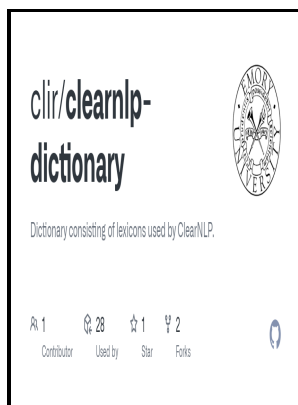


Critiquing an echinoderm abnormality bioassay

Huxley College of Environmental Studies, Western Washington University - Application of toxicity identification procedures to the echinoderm fertilization assay to identify toxicity in a municipal effluent, Environmental Toxicology & Chemistry



Description: -

-Critiquing an echinoderm abnormality bioassay

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Internship report (Huxley College of Environmental Studies)

Internship reportCritiquing an echinoderm abnormality bioassay

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Identification of angular naphthopyrones from the Philippine echinoderm Comanthus species as inhibitors of the NF

. In: Dov HJM, Giam CM eds Strategies and Advanced Techniques for Marine Pollution Studies.

Long

In the present work a bioassay-guided investigation of a Philippine specimen of the marine echinoderm Comanthus sp. To maximize the preserved period, we examined the dilution or replacement of seminal plasma with seawater containing antibiotics.

Identification of angular naphthopyrones from the Philippine echinoderm Comanthus species as inhibitors of the NF

Treatment of eggs with each metal did not prevent fertilization, but delayed or blocked the first mitotic divisions, and altered early embryonic development. Neither high potassium nor low pH improved the period of sperm preservation.

Identification of angular naphthopyrones from the Philippine echinoderm Comanthus species as inhibitors of the NF

A Phase 1 toxicity identification evaluation TIE was conducted using procedures adapted to the echinoderm fertilization bioassay.

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