

University of Groningen

## Production routes toward podophyllotoxin

Seegers, Christina

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# Stellingen

1. Bevoorrading van cytostatica staat of valt met de productie van natuurlijke grondstoffen.
2. Het uitroeien van giftige planten vermindert grondstoffen voor cytostatica drastisch.
3. Succesvolle expressie van cytochroom P450s is gebaseerd op trial & error.
4. Superkritische koolstofdioxide is het groene oplosmiddel van de toekomst.
5. Wegwerpbioreactoren zijn duurzaam.
6. Bedreigde plantensoorten telen in broeikassen garandeert hun voortbestaan.
7. Bekende voedingsgewassen zijn onderbenut als bron voor bioactieve componenten.
8. De definitie van onkruid is voor ieder verschillend.
9. Herhaling is de essentie van wetenschap.
10. Balsporten zijn gevaarlijk voor je intellect.



# Propositions

1. The supply of anticancer drugs depends on the production of natural compounds.
2. The extermination of toxic plants reduces raw materials for anticancer drugs dramatically.
3. Successful expression of cytochrome P450s can only be achieved by trial and error.
4. Supercritical carbon dioxide is the green solvent of the future.
5. Disposable bioreactors are sustainable.
6. Cultivation of endangered plants in glasshouses guarantees their survival.
7. Known food crops are underused as a source for bioactive components.
8. The definition of a weed is different for everyone.
9. Replication is the essence of science.
10. Ball games are dangerous for your intellect.

