

## Insecticide based on a natural protein

### Technology

Production in a heterologous system of proteins naturally present in a living being.

Insecticide active by injection on larvae and by ingestion on adults.



D. Suzuki  
Fruits



R. Padi  
(Puceron)  
Céréales



Pyrales  
Maïs



Doryphores  
Pomme de terre

*action proven on these target insects*

Peptide sequences have been identified and are not listed in known Proteins.

### Benefits

- Promising alternative to current insecticides :
  - diversification for fighting insect pests
  - Insecticide based on a biomolecule
  - Production by yeast or bacteria currently being validated
- Active molecule from 70ng per individual
- Molecule whose structure should make it possible to specifically target insect pests

### Applications

- Protection of several types of crops



cereals



corn



potato



fruits



#### Keywords

- Bioinsecticide
- Biocontrol
- Multifunction
- Heterologous system
- Natural protein



#### Intellectual Property

Patent application in progress



#### Development Status

Proof of concept at the laboratory level

Tests on non-pest insects in progress



#### Partnership

Co-maturation with an company to formulation phase

Licensing

contact

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